

10/774,355
10/26/04

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accttctccc tcccctactg tggacccaat gttattgatc acttcttctg tgacatgcc 540
ccagtcacga gactgtcctg cactgactac catctcactg aggaggtggg ctttgctgtc 600
agtagttgca ttgtcatgag ctcatattgtc ctcacagtgg tctcctatat tggcattgtg 660
gccacagttc ttgcacatccc ctcagtagaa ggc 693
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<210> 967
<211> 924
<212> DNA
<213> Mus musculus

<220>
<223> MOR285-3P

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tatggacagg tatatagcca tctgcgcgac cttgcactac ccctgtgttc atgagcaggg 420
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gctcggatct tgggtgttgt actccagatg gggttcagggc agggacagag tagagctgtg 720
tccacctgct cctcacacct gactgtggcc agcctgttct atgtcaccac tctctccacc 780
tacaccagc cacacacctt gcattctcct ggaagggaca aagtgggtggc tgtgctctac 840
tcaatcgtca cccctgttct gaacccttcc atctacagcc tgaggaacaa ggaggtcatg 900
ggagccctga ggagacaaat gaaa 924
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<210> 968
<211> 921
<212> DNA
<213> Mus musculus

<220>
<221> variation
<222> (396)...(812)
<223> Any nucleotide A, C, G or T

<220>
<223> MOR256-37P

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<400> 968
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ggtaacactg ctataattct tgcacccctc ctggatcccc atctccatac accaatgtac 180
tttttctcga ggaatctatc tttcctggat ttgtgtttca caacaagcat tgtccctcag 240
atgctgggtta acttgtgggg acccgaaaag accattagct ctgtgggctg tattgttcag 300
ctctatgtgt atatgtggct gggctccatt ggagtgtctg ctctagctg tcatgtccta 360
tggatcgttt cacagctatt tgtaagccct tgcattnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480
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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
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nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 780
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nncactccaa gtctcaaccc cctcatttac 840
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tttgccgaag taaggagaaa c 921

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<210> 969
<211> 934
<212> DNA
<213> Mus musculus

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<220>
<223> MOR174-15P

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<400> 969
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gggaacctgg gcatgattgc catcatcaga cttagcccta agctccacac tcccatgtat 180
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ctcttagaaa acttgattgt ggaagacaga aaagatctcc ttcacaggct gtgtcatgca 300
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tgacagattt gtggcagtat gcaaccccct cctctacaca gtggctatgt ctcagaagct 420
ttgctggctc ctggtagcag gatcctattc atgggggtata atctgttctt ttgtattcat 480
acgttttatg ttgaccttgg tcttctgttg gaccaagttc ataaataact ttgtgtgtga 540
gcatgatgcc attgtcgctg tctctgctc tgacccctac attagtcaga aggtcatttt 600
catcttttga actttcaatg agctaagcag tctgatgac attctcaoct cttatgtttt 660
cattgtcatc actgtcatga aaatgcctac cactggaggg cgctacaaag tcttctccac 720
ttgtgcctcc catctcacta ccatcactat ttccatagc attatcatct gtctctactg 780
tgttccact accaaaagtt cttggctttt ggtcaagggtg gcttcagtct tctacacagt 840
tgtcatcccc atgctgaacc cactaatata cagtctcagg aacaaggatg tgaaggatgc 900
agttaagaaa ctaatgtgtt cttctttgtc atca 934

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<210> 970
<211> 814
<212> DNA
<213> Mus musculus

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<220>
<221> variation
<222> (261)...(280)
<223> Any nucleotide A, C, G or T

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<220>
<223> MOR225-8P

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<400> 970
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ctctgatcc ttttctcaat tagggggcag ttctctgttc aaccaacct atgtactatt 180
tcctcagtca tttagcatct atggacatct gctatacctc ctgtgtgaca cccaaattga 240
ttgggggatc tgcttgccga nnnnnnnnnn nnnnnnnnnn ctccactaca tggatcatcat 300
gagcagaaac agatgccatg tttttatctg ggcttctctg gttggtggtg ttgcccactc 360
ctttccccag gttatgatgc tagtctgttt gcccttctgt ggacccaatg aaatagacca 420
ctacttctgt gatgttttcc ctttgcgtga aattgcttgc actgataoct acatcatttg 480
tgtctcatg gttgccaatt caggaatggg tgccctctgt atctttgttc tcttggttgg 540
ttcatatgta gttatactgt tcacattaag gaattactca gcagaaggga gacgcaaagc 600
tctttcaacc tgtgggtccc acatctctgt ggttatttta ttctttggat ctaccatctt 660
tgccctacct agacctccta ccactttccc tgaagacaaa atctttgcac tgttttacac 720

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tatcattgct cctatgttca accccctcat atatactcta agaaataaag agatgaagac 780
tgccataaag aagggttggg gtcagatgtc attt 814

<210> 971
<211> 925
<212> DNA
<213> Mus musculus

<220>
<221> variation
<222> (175)...(413)
<223> Any nucleotide A, C, G or T

<220>
<223> MOR225-9P

<400> 971
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ctgctgatcc ttttctcaat tagatgcagt tcttctgttc aaccaacctt tgtannnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
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ctgggcttcc tgggttggtg gtgttgccca ctcccttccc caggttatga tgctagtctg 480
tttgcccttc tgtggacca atgaaataga ccactactac tgtgacgttt tccctttgct 540
gaaagttgct tgcactgata cctacatcat tgggtgtcctc atgggttgcca attcggggaat 600
ggttgccttt gttatctttg ttctcttggt tggttcatat gtagttatac tgttcacatt 660
aaggaattac tcagcagaag ggagacgcaa agctctttca acctgtgggt cccatatatc 720
tgtgtttatt ttattctttg gaccttccat ctttgtctac cttagacctc ctaccacttt 780
ccctgaagac aaaatctttg cactgtttta cactatcatt gctcctatgt tcaacccct 840
catatatact ttaagaaata cagagatgaa gagtgccata aagaaggttt ggtgtcaggt 900
gacattttta ggagaaaaac acaat 925

<210> 972
<211> 354
<212> DNA
<213> Mus musculus

<220>
<223> MOR230-9

<400> 972
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atctcataca cagtcatctt catgtctctg agaaagcagt catctgaagg cagacgcaaa 120
gctctctcca cttgtggatc ccacattgct gttgtcatca ttttttttgg cccctgtact 180
tttatgtata tgcggcctga cactaccttc tctgaggaca agatggtagc tatattttac 240
actattatca ctcccatgct gaatcctcta atttactctc taagaaatgc agaagtaaag 300
aatgcaatga gaaaactgtg ggctagaaaag ttttctctgg aaactactgg gaaa 354

<210> 973
<211> 367
<212> DNA
<213> Mus musculus

<220>
<223> MOR230-10P

<400> 973

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cagaaggcaa tattttggagt cttcttgatt ctttacctta tgactttaat aggggaacttt 120
ctcatcatgg tgaccattaa gatgagtcag acacttggga gtcccatgta cgttttcctc 180
ttctattttgt ctttcgctga tgcttgcttc tctacaacta cagcacctag attgattgtg 240
aatgccctct cacagaaaaa aattatttcc tacaatgaaa tgtatgactc aggtctttgc 300
agctcacttc tttgggtgca tggagatctt cgtgcttata ctcattggcca ttgaccgcta 360
tgtagca 367
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<210> 974

<211> 927

<212> DNA

<213> Mus musculus

<220>

<223> MOR146-6P

<400> 974

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ggaaatgttc tcatcatctt ggccatcagc tgtgattccc acctccacag cccaatgtac 180
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tgaccgatgg gtagctatatt gtgcacctct acactaccaa gtcattctaa gccctgcct 420
ctgtagatgt ttggtcatag tttcccttcc cattagtctt gtgagttcac aggtacactg 480
cttgtttggtg tcacaactaa cattttgtat taacgtagaa atccctcatt tcttttgtga 540
tgttccagaa cttgtaaaac ttgcttgctt taacactact atcaatgaca tagtcatgtt 600
tcttttaagc atcattgttg gtttcccttc tgctcagga atattttact cctactataa 660
aattacttct tctattttta gagtaccatc actgttagca aaatataaag ccttctctac 720
ctgtggatct cacctgtcag ttgtttgcct attttatgga acaggtatag gagtttacct 780
cagttcaaca gtttctagtt cttccaggga aagtatggtc gcttcggtta tgtatacaat 840
ggtggttccc atgatgaacc cttcatttac agcctgagga acagggacat caagaaatcc 900
ctctggaaaa ttgtccatca gataaca 927
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<210> 975

<211> 1581

<212> DNA

<213> Mus musculus

<220>

<221> variation

<222> (594)...(613)

<223> Any nucleotide A, C, G or T

<220>

<223> MOR0-7P

<400> 975

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actgatatcc agcctcttgt atttgggctg ttccctttca ttacctgggt ctgcatcaca 180
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atgttagtga acatccagac acagaataaa tccataacat atgaaggctg ccttgctcag 360
atgtattttt tcatgttttt ttctggattg gatagtttgt tactgactgt aatggcgtat 420
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gaccgggtttg	tggccatatg	tcaccccttg	cactacatga	ttgtcatgag	ccctcacttg	480
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ttattttttt	tttccatttt	ttattaggta	tttaactcat	ttacatttcc	aatnnnnnnn	600
nnnnnnnnnn	nnngggcata	taaagtttgc	aagtccaatg	ggcctctctt	tccagtgatg	660
gccgactagg	ccatcttttg	atatatatgc	agctagagtc	aagagctccg	gggtactggt	720
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acaggagaca	ggtttcggta	g				1581

<210> 976

<211> 327

<212> DNA

<213> Mus musculus

<220>

<223> MOR146-7P

<400> 976

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ggaaatgttc	tcatcatctt	ggccatcagc	tgtgattccc	acctccacag	cccaatgtac	180
ttcttctctt	acaacctttc	attgtctgac	atgggcttta	gcagcaccac	aatccccaaa	240
atgctgataa	acttgcatgc	acataagaga	tcacacaacat	atgctgaatg	cctaactcag	300
gtatctttct	ttattctttt	tgggtgt				327

<210> 977

<211> 934

<212> DNA

<213> Mus musculus

<220>

<223> MOR131-2P

<400> 977

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ccccagcagc	agcagctcct	cttctgttgc	ttcctcatca	tgtacctggc	cactgtcttg	120
ggaaacctgc	tcatcatcct	ggccatcagc	acagactccc	gcctgcacac	ccccatgtac	180
ttcttctctc	gcaacctgtc	ctttgtggat	gtatgcttct	cctccaccat	tgtccctaag	240
gtactggcca	ttcacatact	cagaaatcaa	gccattttgt	actctgggtg	ccttacacag	300
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tgtgcccttc	ttgtttgtggg	gtcaggggtg	gtagccaacc	ttaattgtct	gttgcacaca	480
ctgctcatgg	cttgactctc	cttctgtgag	aactacatca	tccccactt	cttctgtgat	540
gcgactcctc	tcctgaaaat	cttctgtctc	gatccacatc	tcaatgatct	gatgattcat	600
acagaaggaa	ctatgatcat	tgttaccoca	tttgtctgca	tcctgatctc	ctacatacac	660

atcacctatg	caatcctgag	agtctcatcc	cataggggag	gatggaaagc	cttctccagg	720
tggctcacac	ctggctgttg	tgtgcttctt	ctatggcacc	atcatcactg	agtattttaa	780
cccttcgtcc	tctcactcag	ccaggaggga	catgacagct	gccatgatgt	acacagtggg	840
gacccccatg	ctgaaccctt	tcatctacag	cctggggagc	agggtcatga	aaaggggctt	900
taagaaaagt	gcttaccatg	aaattttatat	ctaa			934

<210> 978

<211> 928

<212> DNA

<213> Mus musculus

<220>

<223> MOR252-3P

<400> 978

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ggcaatggcc	tgatcatcgc	gaccattcac	agcagtecca	acctccacac	tcccatgtac	180
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gttcgtcttc	tccctgggtc	tgggtctctga	gcttctgctt	ttctctgcca	tggcctatga	360
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tgtggccctt	gcaacctttg	tgtggttcac	tggagctttc	aattcattgg	tgctcacttg	480
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cccttctgtg	ttgatactgt	cctgtagtcc	cacctttatc	aatgacatca	tgactgtcat	600
tgacagatg	ttcctgacag	gcctgaactt	tttattgaca	atgacatcct	atggcttcat	660
catttccagc	atcctgcgca	tccgctcagc	tgagggcaag	aagcgtgcct	tctctacctg	720
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<210> 979

<211> 568

<212> DNA

<213> Mus musculus

<220>

<223> MOR103-14P

<400> 979

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ctgtggcccc	aacgtcatga	accacttctt	ctgtgatgtg	tccccactac	tcaaccttgc	180
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ggtcatcttc	tattcagctt	ctctcttcat	ctatgcccg	ccccgtgcc	tctactcctt	420
cgactacaac	aagcttgtgt	ctgttgtcta	cacagtgtct	acacccctaa	ttaaccccat	480
catctactgc	cttcggaacc	aagaggtcaa	gcaagcgcta	cataagggtac	agcagcgagc	540
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<210> 980

<211> 943

<212> DNA

<213> Mus musculus

<220>

<223> MOR204-27P

<400> 980

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cccatgtact tttttctca gccacttggc ttctgtagac ataggcattt catcttctgt 240
tacacccaat atgcttggtt acttcctggg ggagagaaat accatctcct accttggatg 300
gggcatacag ctcagctttg gtgatatctt tgggtcagtt gaatgttttc ttttggctac 360
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<210> 981

<211> 928

<212> DNA

<213> Mus musculus

<220>

<223> MOR204-28P

<400> 981

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tttttctcag ccacttggct ctgttgacat gggcctttca tcttctgtca caccaatat 240
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cagctcagct gctttctttg gggcagttga attcttcctt ctggctgtca tgacttatga 360
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ctcatcacca tctgaagat gcaatccact gagggtcacc aaaaaacctt ctccacctgc 720
gccgccacc tcaactgcagt cattctctt tatggaacag ccacattctt ttatgtgatg 780
ccaaagtcca cctactctga ggaccagaac aagggtggtg cagttctaca cagtagcaat 840
ccccgtgtgg aatccctca tctacagccc ttggaatact gagactaaga atgccctgaa 900
atgacaattt tataggaaaa cattgtta 928
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<210> 982

<211> 936

<212> DNA

<213> Mus musculus

<220>

<223> MOR256-38

<400> 982

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cccacactca	accctcttgt	atataccctg	aggaacaagg	aggtaaaaag	agcattctgg	900
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<210> 983

<211> 826

<212> DNA

<213> Mus musculus

<220>

<223> MOR256-39P

<400> 983

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atgttgttca	acctctgggg	ccccacaaag	accatcagct	tcctgggatg	ctctgtccag	180
ctcttcatct	tcatgtcctt	ggggacaaca	gagtgcatec	tgttgacagt	aatggccttt	240
gaccgctatg	tggtgtgtctg	tcagcccttg	cactatgccca	ccataatcca	cccccgcta	300
tgctgccagt	tggcaggtgt	ggcctgggct	atagggtttga	tccaatccat	agttcaaata	360
ccaccacccc	tcacactgcc	cttctgttcc	cataggcaga	tagatgactt	tctgtgtgaa	420
gtcccatctc	taatccgact	ctcttgtggg	gacaccactt	ttaatgagat	tcagttgtca	480
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cagcccaaaa	atccctatgc	ccaagagagg	agcaagttct	ttggtctctt	ttatgcagtg	720
ggcacccccc	acactcaacc	ctcttgtata	tacctgagg	aacaaggagg	taaagagggc	780
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<210> 984

<211> 792

<212> DNA

<213> Mus musculus

<220>

<223> MOR121-2P

<400> 984

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gtctggctac	actggctggc	tgcttgctcc	agttcctcac	cttcacctct	ctagatgcag	180
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tataataccc	acgtctcatg	aggcctcaat	ggtgcctggg	gttgggtgatt	atagtctggc	300
tgtctggctt	tatggaagct	ggattagtgg	ttgctttgac	agcccagctg	aggttctgtg	360
gccccaacct	aattgatcac	ttttactgtg	atttctcacc	tttgatgata	ctggcttget	420
cagataacctg	agtgggcccag	atgactacat	ttgttctctt	tgttgtcttc	ttacctgttc	480

tctctgggct	gattctgatg	tcctatgctc	agtttgtggg	gattgtgctg	agaattccct	540
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cattctatgg	atcactcatg	gtgtggtaca	ctgcgccttc	tgtgtgctt	agtttgcaca	660
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<210> 985
 <211> 760
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR121-3P

<400> 985						
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tgcctgtctc	tacacagtgt	tcactcccgt	cttcaacctt	gtcatctaca	ccttgaaaaa	720
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<210> 986
 <211> 919
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR121-4P

<400> 986						
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tgtgtgtgtg	tataagcata	tgtacatact	tacacatata	aatacatatg	tgtgtacaag	180
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aaaagaactc	aaagtaggca	aaagtctggc	tatactggcc	aactgcttcc	tccagtccct	300
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<210> 987
<211> 881
<212> DNA
<213> Mus musculus

<220>
<221> variation
<222> (204)...(333)
<223> Any nucleotide A, C, G or T

<220>
<223> MOR171-32P

<400> 987
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accatggcag ggaacctggg catgatcaca ctgattgggc tcagttctca tctgcacaca 180
cccatgtact atttcctcag cagnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
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tcagtattta cagttctctg atttcagggg tatatatatt tgctgtgata tgttcatact 420
ttaacactgg ctctcatgctt aggactcagt tctgcaattt agatgtgatt aaccactatt 480
tctgtgatct tcttcccctc ttgaattctg catcctctaa tacctacatc aatgaaatat 540
tgattctatt ttttgctaca ctgaattcat ttgtcccagt gctgaccatt attacttctt 600
acatcttcat tattgtcacc atcctctcca ttactccag ggaggccaag ttcaaagctt 660
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cgtattttaca gccctcatca ctgaattcta tgggccaagc aaaagtgtcc tctgtgtttt 780
atactactgt tgtacccatg ctgaaccctt tgatctacag cctgaggaat aaggatgtca 840
gtattgcact gaaaaaata cttgaaagaa aaaaattcat g 881

<210> 988
<211> 534
<212> DNA
<213> Mus musculus

<220>
<223> MOR171-33P

<400> 988
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actgtgtctg ggaatctggg catgattata ctaattgggc tcagttccaa cctgcacaca 180
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accctaataa tgttggtgag ctttctgaca gagaagaact tcatcaccta cctggatgc 300
atgactcagc tctattttgt catcattttt ggactgcag agagctacac attagctgca 360
atggcatatg accactatgt tgccatctgt aacaccttgg tttacaatat agccatgtcc 420
tctcagattt actgttctct gatctcaggg gtatacattt ttgtgtgtgt ctgtgcatca 480
gtaaacatgg gcttcatggt taggatccag ttctgcaaat cagatgtaat caac 534

<210> 989
<211> 534
<212> DNA
<213> Mus musculus

<220>
<223> MOR171-34

<400> 989

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tacttttgtg atcttttccc attacttgag ctgtcttgct ctagtacttt tatcaatgaa 180
atattagcac tgtcccttcag tgcattttaat attattgtac cagccatgac catcattggc 240
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gccttttagaa cctgcagctc ccatactctg gctgttgcta ttttctttgg ttctacaaca 360
ttcatgtatc tacaaccatc ttcagtcagc tccatggacc aagggaaagt gtcactctgtg 420
ttttatacca ttgttggtgc tatgttgaat cccatgatct acagcctgag aaataaagat 480
gtcaaagttg ccctaataaaa gttactacaa aagatgtttc ctcaaaacaa ggaa 534
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<210> 990

<211> 552

<212> DNA

<213> Mus musculus

<220>

<223> MOR275-5

<400> 990

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atcttccctg cctccctcca caccctgag aaggacatgg tgggtgtctgt gttttacacc 420
atactcacc cctctgttgaa cccactgatc tatagtttta ggaataagaa tgtcacagag 480
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<210> 991

<211> 919

<212> DNA

<213> Mus musculus

<220>

<223> MOR285-4

<400> 991

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ggcaacatca cactggtcct cctcatcagg ctggaccaa gactccacac ccccatgtac 180
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cgtgagtgga cttgtcattc tgcgtctccc ctccctggcc atccctagctt cctatgctcg 660
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gctgaggaga caaatgggg 919
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<210> 992
<211> 777
<212> DNA
<213> Mus musculus

<220>
<221> variation
<222> (212)...(249)
<223> Any nucleotide A, C, G or T

<220>
<223> MOR275-6P

<400> 992
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atggccttgt ctgggaacgc cctcctgata ctgctgatac tctctgacac ccaccttcac 180
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gcttcatgct caccctgtc accatgacct tccccattct gtgggtcccg ggagatccat 360
cacttcttct gtgaggttcc tgtgttgaca aagctctcct gctcagacac ctggctctat 420
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<210> 993
<211> 923
<212> DNA
<213> Mus musculus

<220>
<223> MOR284-1P

<400> 993
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tgaggctctc ttgtgaggaa aacttctttg tatgagatgg tgggtgtctgt caattgcac 600
gtgtttgttc ttctcctctt gggactcatc acgtcctcct atctgctcat cttcctcgat 660
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tgagtcaacg attcatttta aag 923

<210> 994
<211> 357
<212> DNA

<213> Mus musculus

<220>

<223> MOR275-7P

<400> 994

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atggaccagg tcctggggag ccacaagatc tcacctgctg cctgtgggat gcagatgttc 300
ctgtacctga cattagcagg gtcagaatct ttccctctgg ctgccatgtc ttatgaa 357
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<210> 995

<211> 833

<212> DNA

<213> Mus musculus

<220>

<223> MOR204-29P

<400> 995

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tcaatcactt tttctgtgat ttatctccta tgatggaaact ctctgttct gatgtgagta 480
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gccaaaaagc cttctccacc tgcattgtcc acctcactgc agtcactctc tactatggaa 660
ctaccatatt catttatgtg atgcccaagt ccactctact cagggaccag aacaaagtgg 720
tgtctctgtt ctacgtggtg gtaatccccg tgttgaatcc tctcatctac agccttcgga 780
ataatgagat taaggatgct ctgaaaagac agttttatag gaaaacattg tta 833
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<210> 996

<211> 624

<212> DNA

<213> Mus musculus

<220>

<223> MOR204-30P

<400> 996

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aaattgtcca cacaagtgtg tatccagttg gttgtaggat cttatgtagg gggtttcctt 480
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<210> 997
<211> 532
<212> DNA
<213> Mus musculus

<220>
<223> MOR204-31P

<400> 997
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actgtgtttg gaaatctcag caccatcctt ctcatggag tttcttccaa actccatcat 180
cccatgtact tttttctcag ccacttggct tctgttgata tgggcctttc atcttctgtc 240
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ggcatacagc tcagctcagc tgctttcttt ggggctgttg agttcttcct tctggctgcc 360
atggcttatg atcgttggg agcaatctgc aaccactgc tttattccac caaatgtcc 420
acacaagtgt gtatccagtt ggttgtaggt acttatgtag ggggtttcct taacgcttca 480
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<210> 998
<211> 563
<212> DNA
<213> Mus musculus

<220>
<223> MOR246-1P

<400> 998
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ggcaatatca tgattattgt catcattttc tctgactcac acttgaactc tcctatgtac 180
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atgcttgttg acttttttgt cgaatacaaaa actatttctt ttgaggggtg tatggctcaa 300
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gacaggtttg tagcaatatg taagccactg cactacaatc taattatgaa tcggagagta 420
tgtataattt ttgtgtcaat ttcttgggca gtaggtatcc ttcattctgt gagccatttg 480
gcatttacag tgaatctgcc attctgtggt cccaatgagg tagatagctt cttttgtgat 540
cttccttgg gataaagctt gcg 563

<210> 999
<211> 459
<212> DNA
<213> Mus musculus

<220>
<223> MOR247-3P

<400> 999
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gtgacagtg ggctgctctc ctttatctct ttcttctctt tgcttgtttc ctatactgtc 180
attctgctca ttataaagca caaatcacct ggcagtctct ccaaggeget gtccacattg 240
tctgctcaca taattgtggt cactctgttc tttggacct gtatttttat ctatgcctgg 300
ccatttggga gttttgcaag caatacaact cttgctgtat ttacactgt tatcacacct 360
ttactgaatc ctattattta cacactgaga aatcaggaaa tgaagaaagc catgagaaaa 420

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459

<210> 1000

<211> 873

<212> DNA

<213> Mus musculus

<220>

<221> variation

<222> (258)...(277)

<223> Any nucleotide A, C, G or T

<220>

<223> MOR256-40P

<400> 1000

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gggaacatcg ccatcattct ggtgtccacc ttagaccctc gtctctacag ccccatgtac 180
tttttcctca agaatctctc ctttctggga catgtgctac accacaagcc attgtgcctc 240
agatgctgtt taacctgnnn nnnnnnnnnn nnnnnnnntt tagctattat gtcctttgat 300
cgatatgtgg ctatctgcaa acctctccac tacactctca ttatgaacca aagagtatgc 360
attttgtcag tatctattat gtggctgact ggagtgatct ttggtttttc agaggctaca 420
cttacattgc aactgccatt atgtggcaca aataaattgg atcatttatt gtgtgaaatc 480
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ggatgtgcag tacttagaat taaatcttct gaaggaagga ggaaagcctt tgggacatgt 660
tcttcccatc tcattgtagt ttccttattt tatggtccag gtattagcat gtaccttcag 720
ccttcttcac ctatcacaag ggaccaaccc aagttcatgg ctctgtttta tgcggtgata 780
actctacat tgaatccctt catctatacc ctaagaaaca aggatgtaaa ggggtgcctt 840
aaaaagctcc tgagaagcat tttcagttca aag 873
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<210> 1001

<211> 963

<212> DNA

<213> Mus musculus

<220>

<221> variation

<222> (590)...(810)

<223> Any nucleotide A, C, G or T

<220>

<223> MOR182-7P

<400> 1001

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aaccttgggt taatctttct catctggaag gatcctcacc ttcacacacc catgtactat 180
ttccttggaa gtttagcttt tgctgatgcc tgtacttcat cctcagtgc tcccaggatg 240
cttggttaata tcttagacaa tggtgaagatg atttccctct ctgaatgcat ggccaatat 300
tatgtttttg gatccagtgc aaccacagaa tgtttcctcc tggtagcgat ggcctatgac 360
cgctatgtag ccatatgcaa tcctttgtct tatcttgggt tgatgtccaa cagagtgtgt 420
acttgccctga taagtggctc atatataatc ggttttctgc atccacttat tcatgtaggt 480
ttattattta gattaacctt ctgtaaatcc aatataatag atcattttta ctgtgagatc 540
ctgccactct atacaatttc ttgcaccgca cccatctatt aatgcatttn nnnnnnnnnn 600
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gtaaatataa	gaataagatg	tattctctgt	tttacaccat	tgtgattcct	ctactaaacc	900
ccttcatttt	acagcttaag	aaacaaggaa	gttttagggg	ctctgagaaa	aatcataaag	960
tca						963

<210> 1002
 <211> 919
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR182-8

<400> 1002						
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ttttattttct	ttggttccag	tgcaacgaca	gaaatgtttc	ctactgtcag	tgatggccta	360
tgaccgctat	gtggccatat	gcaacccttt	gctttatcca	gtgatgatgt	ccaatagcct	420
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<210> 1003
 <211> 709
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR183-5P

<400> 1003						
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agtgatcatg	acaaatagac	tttgtgtacg	tcttttaaca	ttgtcctttt	taggtggatt	240
cattcatgtc	tttaattcacg	aaggcttttt	attcagattt	atTTtctgta	ggtctcacat	300
aataaaccac	ttttatttgtg	atgTTtatgcc	actgtttaaag	atTTcctgta	atgacccttc	360
tatcaattac	ctgatgctct	ttattttctc	tggctcaatt	caggtcttca	caattacaac	420
tatccttgtc	tcttatacac	ttgttctgtt	ttctatccta	aagaagaaat	ctctcaaaag	480
cataaagaaa	gcctttttcca	cctgtggagc	ccatctcctc	tctgtttctt	tgtactatgg	540
ccctctgtct	ttcatgtatg	tgcgccctgc	atctccacaa	gtaaatgatg	aagatatgat	600
ggactctgta	ttttacacca	tcataattcc	tgtactgaac	ccaattatct	acagtctgag	660
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<210> 1004
 <211> 918

<212> DNA
<213> Mus musculus

<220>
<223> MOR183-6P

<400> 1004
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gaaccttggg ctaattgctc ttatctggaa tgaccctcac ttatatatcc ctatgtactt 180
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gttactcgac ttcttacaga tgaataaaat gatttccctac tctgaatgca tgacacaatt 300
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tatatgtctc ttagtctctgt ctttcgtagg tgggaattctt caatacacga gggatttcta 480
ttactactaa cgttctgcaa ttccaatata gtacatcaat ttttctgtga caccgttcca 540
ttgctaaaga tttcctgtac tgacactact ctttaatttc aactgttatt tgtttttgct 600
ggaataattc aagtcctcac cgtttttgatt gtttttgtgt cctatacact agtcctgttt 660
atgattttgc aaaggaagtc tgtccaaggc atgaagaagg ctttctctac ctgtgggtgcc 720
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tcccaagaag cagatgggtca agatatcata gactctctgt tctacacgat cataattcct 840
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gtgttaaaga aaaaggtt 918

<210> 1005
<211> 483
<212> DNA
<213> Mus musculus

<220>
<223> MOR113-6P

<400> 1005
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tgtaatgacc cttctatcaa ttacctgatg ctctttatct tctctggctc aattcagggtc 180
ttcacaatta caactatcct tgtctcttat acacttgctc tgttttctat cctaaagaag 240
aaatctctca aaagcataaa gaaagccttt tccacctgtg gagcccatct cctctctgtt 300
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gatgaagata tgatggactc tgtattttac accatcataa ttctgtact gaatccaatt 420
atctacagtt tgaggaataa gcaagtaaaa aaatcactgg caaaattttt acggagaaat 480
act 483

<210> 1006
<211> 425
<212> DNA
<213> Mus musculus

<220>
<223> MOR184-10P

<400> 1006
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aaactttttc cattattata gtcctgattt cttattttct catcctttat actatattca 180
caatgaagtc cagagagggg agaagcaaag ccttatctac ttgtgcatcc cactttctgt 240
ctgtgtcaat attctatggg tctcttctct acacatatat tcgaccaagt tctatcaaag 300

gaggagatga agccatacct gttgctatat tttataactct ggtaattcct ttatttaaacc	360
cctttatttta tagtctgaga aataaagaag taattaatgt gattaaaaaa accataaaca	420
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<210> 1007
 <211> 400
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR113-7P

<400> 1007	
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ctcttataca cttgttctgt tttctatcct aaagcagaaa tctctcaaaa gcataaagaa	180
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attttacacc atcataattc ctgtactgaa cccaattatc tatagtttga ggaataagca	360
agtaaaaaaa tcactggcaa aatttttaag gagaaatact	400

<210> 1008
 <211> 925
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR170-10P

<400> 1008	
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ttgagcttaa tgattctcat tttcttgaat tcaaaccctc acacccccat gtactttttc	180
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aatgttttag ctcaactttt gtaataacca catcatcaat cactacatgt gtgacatctt	540
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gcccgctgctg aatcctttca tatacagtcc ccagaacaaa gatgtcaaag ttgctgtgaa	900
gaaaaccttg aagagaatct caaat	925

<210> 1009
 <211> 937
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR166-1

<400> 1009	
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<210> 1010
 <211> 934
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR162-8

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<210> 1011
 <211> 705
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR256-41P

<400> 1011						
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tacttctctc	cccacctctc	cttctctggac	ctctgtctaca	ccaccagcac	tgtgccacag	240
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cttttcatat	ctcttgcact	gggatccact	gagtgtgtgc	tcttagtggt	gatggctttt	360

gaccgctatg	ctgctgtgtg	tgttccactg	cactacatga	ccatcatgca	cccccttctc	420
tgtcaggaat	tggctcttgc	ttcatgggta	ggaggattct	tgaactctct	gattcaaaca	480
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<210> 1012
 <211> 934
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR233-15

<400> 1012						
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atcataattg	tggtaacaat	tgtattcagt	cctgcacttt	ctggctcccc	catgtacttc	180
tttctatctt	ttctatcctt	cctggatgca	tgtgtttctt	ccgtaatcac	acccaagatg	240
attgtagact	tcttctatga	gaggaagacc	atttcctttg	aatgttgat	gatacaactc	300
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cgctatgtag	ctatttgcaa	gcccttgcac	tactcttcca	tcatgacca	gaggctctgt	420
ggcatcctag	tcggaatagc	ttgggcagga	ggcttcttgc	attctatcat	ccaaattatc	480
ttcactttgc	agttgccctt	ctgtggcccc	aatgttattg	atcattttgt	atgtgacttg	540
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aatagtgggt	ctatctgcat	cattatcttc	tctattttgc	ttgtttccta	tgggtgtcatc	660
ttgttctctc	tgagaaacca	cagttctgaa	ggtcggcgta	aagctctctc	tacctgtgga	720
tcccacatta	ctgggtgtgc	ttttgttctt	tgtcccttgc	atattaatat	atgcacgaaa	780
taattctgaa	ttctcatttg	agaaaaatgt	gtttatatatt	gatgatgtcc	tgacaccaat	840
gctaaatcct	ttggcttaca	ctttcaggaa	taaggaaatg	aagaatgcca	tcaagaaaat	900
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<210> 1013
 <211> 789
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR233-16P

<400> 1013						
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ttttatttgt	ctacattgca	actgttgggg	gcaacatgat	aattgtgggtg	accattgtct	180
gtagcccgagc	attgatagac	tgccccatgt	acttcttttt	ggcattcttg	tccctatttg	240
atgcatgctt	ctcttctgtc	atcacacca	agatggttgt	tgactccctg	tatgagaaga	300
aaactatctc	ctttgaagga	tgtatgatgc	agttatttgc	tgagcacttc	cttgcagcag	360
tagaagtgat	tgtcttgaca	gccatggcct	atgaccgcta	tgtagcaatt	tgcaagccct	420
tgcactactc	ttccatcatg	aactggaggc	tctgtggcac	acttatgggg	atagcatgga	480
cagggggcct	cttgcattct	atcatacaaa	ttatcttcac	gttgcaattg	cccttctgtg	540
gaccaaattgt	catcgatcat	ttcatgtgtg	acttgttccc	attactggaa	cttgcctgca	600
ctgatactca	tatctttggc	cttttagtgg	ttgccaacag	tgggtctatc	tgcatcataa	660
tcttctctat	tttgctgggc	tcctatgggtg	tcctcctggt	ctctctgaaa	gatcacagtt	720
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tcctttgtc						789

<210> 1014
<211> 1036
<212> DNA
<213> Mus musculus

<220>
<221> variation
<222> (370)...(902)
<223> Any nucleotide A, C, G or T

<220>
<223> MOR225-10P

<400> 1014
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ctggctgtct taatgggaaa ctccgtcatc cttctcacca tcacctgcag ccacctaatc 180
gaacaaccaa tgtattattt tctctgccat ctttccctca tggacctctg ctacacctcc 240
actgtgattc ccaggctcat cagggacttg gcagcaacaa gaaaaaacat ttccctataat 300
gagtgcattg cccagctctt cactgcccac ttgctggcag gtgtggaaat cttcatcctg 360
gtgtccaggc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480
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nntgttttac actgtgattg ccccaatgtt gaatcccctt atctatactc tgagaaacag 960
tgagatgaaa agtgccatgc acaagggtgtg gtctcggctg tcactcagag ttgaagtaag 1020
tgaaagaata ttgtga 1036

<210> 1015
<211> 471
<212> DNA
<213> Mus musculus

<220>
<223> MOR233-17

<400> 1015
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ggctctcttag tgtttgccaa cagtgggtct atctgcatca taatcttttc tatgttgcta 180
atctcctatg gtgtcatctt attctctcta agaagtcaca gttctgaagg gcgatggaaa 240
gctctctcta cttgtggatc ccacattgct gttgtggttt cattctttgt cccatgcata 300
ttcatatatg cagcatctac atctgcatca tcttttgaga aaaagggtggc tgtgttcgat 360
ggcatcatga ctccattgct caatcctcta atttacactt tcagaaataa agaaatgaaa 420
aatgccatta ggaaaatgtg gaacagattt agaatggtct ctgacaaatt t 471

<210> 1016
<211> 933
<212> DNA
<213> Mus musculus

<220>

<221> variation
<222> (460)...(678)
<223> Any nucleotide A, C, G or T

<220>
<223> MOR231-15P

<400> 1016
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gggcaaaaag ctttatttTgt tatgtttttca ctgatgtaca ttgcaacaat ggtggggcaac 120
ctgctcatcg taggaacagt gattgccagc cCctCcttgg gctccccaat gtacttcttc 180
cttgCctctc tgtCactcat ggatgctgtt tattccactg ccatctcacc caagttgatt 240
gtagacttgc tccgtgagaa aaagaccatc tCcttcagag cttgtataag ccagctcttt 300
atagagcatt tgtttggTgg ggttgacatt gtcattctag ttgcaatggc ctatgatcgC 360
tatgtggcca tctgtaagcc actgcattat ttgatcatca tgaatcgaag ggtatgtatC 420
ctcttacttg gtgatggcct gggcgggagg ttttgcacan nnnnnnnnnn nnnnnnnnnn 480
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 600
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nnnnnnnnnn nnnnnnnnct gtccacCctgt ggTtcccata tCactgtggT ttttctcttt 720
tttgTtccat gtatttttcat gtatgttTaga cctgttttcta gttttCctat tgataaatcc 780
atCactgtaa tttataccat tgtCactccc atgttgaatc ctttaataata taccttgaga 840
aattcagaaa tgaaaatttc catggaaaag ctCctgcaga aaacattaag tccatgtaga 900
atacgtcttt ctctttgctg cttatgttac taa 933

<210> 1017
<211> 358
<212> DNA
<213> Mus musculus

<220>
<223> MOR231-16P

<400> 1017
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gggcaaaaag ctttattctgt tatgtttttca ctgatctaca ttgtgacaat ggtggggcaac 120
ctgctcatcg tagggacagt gattgccagc cCctCcttgg gctccccaat gtacttcttc 180
cttgCctctc tgtCactcat ggatgctatt tactccactg ccatcacacc caagttgata 240
gtagacttgc tctgtgagaa aaagaccatc tCcttcagag cttgtataag ccagctcttt 300
atagatcatt tgttttggTg gggTtgacat tgtcattctg ctggcaatgg ccttatga 358

<210> 1018
<211> 937
<212> DNA
<213> Mus musculus

<220>
<223> MOR245-15

<400> 1018
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tgagagtattc aactattttct ctttTgtgttc tCctccacgt tttatgtggc aagcatgatg 120
ggaaacagcc ttatcgtgtt cactgtTggca tctgaccctc acttacactc tcccatgtac 180
tttctttttg ctaacctctc tttcattgac ttgggtgttt cttctgttac ttctccaaag 240
atgattttatg acttatttcag aaagcacaaa gtcatctcct ttacaggTtg tgttactcaa 300
atatttttca ttcatgtcat tggTggTgtg gagatggTgc tgcTcatagc catggccttt 360
gacagatatg tggccatatg taagcctctc cattacctga ccattatgag cccgaggatg 420

tgcatcttgt	tttcagtgac	tgcctgggtg	gttggcctta	tgcatctttt	gattcaactg	480
gctttttag	taaacttacc	attctgtgga	ccaaatgtgt	tgacagctt	ctactgtgac	540
cttcctcgg	ttatcaaact	agcctgcata	aatacttacc	agctggagtt	aatggtcaca	600
gccaacagt	ggttcatttc	tgtgggctcc	ttcttcatac	tgatcatttc	atatattgtc	660
atcataatca	ctgtgcaaaa	acattcttca	agtggttcct	ctaaagccct	atctactctt	720
tctgtccaca	tctctgtggt	gttcttattc	ctttggctct	ttgatatttt	tctatacctg	780
gccatctcct	tcaacacatc	ttgataagtt	tctggccata	ttgatgcag	ttatcactcc	840
gtttctgaat	cctataatct	atacatttag	aaatcaagaa	atgaaggtag	caatgaagag	900
agtatgcaga	cagctagtta	gctataggaa	agcttcc			937

<210> 1019
 <211> 964
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR245-16

<400> 1019	
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gggaacctgc	tcattgtgct cacaatcatc tcagaccacc acctgcactc ccccatgtac 180
ttcctgctgg	caaacctctc cttcattgat acagggtgtg ccagcatcgc tactccaaag 240
atgatttatg	acctcttcag aaagcacaaa gtcactctacc ttgaacggat gcatcactca 300
gatgttcttc	attcacactg ttggggggaac agagatgggtg ttgctcatag tcatggccta 360
tgacaggtag	attgctatct gtaagcccct ccactacctg accatcatga gtctcagaat 420
gtgcattgtt	cttttggctc ttgcttggat cattggcctt atccattctg tggcccaatt 480
ggcttttgtt	gtaaatattac ctttctgtgg agctaataaa atggacagct tttactgtga 540
ttttcctcgg	ttcatcaaac tcgcatgtac agacacatac agactggagt tcctggtcgc 600
tgccaacagt	ggtttcatct ccatggccac cttcttcac ctagattgtg cttacatctt 660
cattctggtc	acagttcgta aacactcctc aggtgcttcc tccaaggccc tctccactct 720
ctcagctcac	atcactgtgg tcgttttctt ctttggctct tgcatattg tctatgtgtg 780
gcctttcccg	actttaccca tagataaatt tttagcaatt ttcgatgtca ttatcactcc 840
ttttatgaat	cctctcatct atacacttag aaataatgag atgaagggtg cgatgaggag 900
actatttatt	agggtcttac atttcaaaaa tttttttatt agcagtttaa gagatttgag 960
ttaa	

<210> 1020
 <211> 883
 <212> DNA
 <213> Mus musculus

<220>
 <221> variation
 <222> (173)...(318)
 <223> Any nucleotide A, C, G or T

<220>
 <223> MOR245-17P

<400> 1020	
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ggaaacatcc	tcattgtgtt ctctgtgacc attgaccctc acttacattc acnnnnnnnn 180
nnnnnnnnnn	nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
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nnnnnnnnnn	nnnnnnnncc	atatgtaagc	ccctgcacta	ccctgaccat	catgagtcca	360
cgtgtaatgt	gttttgtttc	tgggtgctgc	ttggggcctg	ggcattagcc	actcattggt	420
ccagctggct	tttcttattg	acttaccctt	ctgtggccca	aatgtactgg	acagctttta	480
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cactctctca	gctcacatca	cagtgggtgt	tctctttttt	ggctctactc	tgtttatata	720
tacatggccc	catcctaatt	cccagataga	caaatttctt	gctctttttg	atgcgggtct	780
tactcctttt	ctgaaccag	ttatctacac	attcagaaat	aaagagatga	aggtagcaat	840
aaagagagtt	ttaaaagtat	tattaacttt	tagaaatatt	tca		883

<210> 1021
 <211> 973
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR119-3

<400> 1021		
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gtggccgagc	acctgagaat cctcttcttc ctgatgcatt tgctggccta cttggcttcc 120	
atcatgggca	acacgctcat aattagcatc acctgcgtgg accaccgatt gcagacaccc 180	
atgtacttct	tcctcagcac ttactccttt gtggagtgtc gttttataac tacagttatc 240	
ccccagctgc	tcgccatctt tctgtcaggg aggcaaacca tctcctttgt ggcttgcttc 300	
acacaggctc	ttgtggtttt tgtcctgggg gcaactgttt tttcctcct ggctgtctta 360	
tcccctggac	cgctatctgg ccatctgcaa acctctacat tatccaacca tcatgagccc 420	
aaggatgtgc	tttctccttg ttactgtgtg cttagttttg ggattcctct tcatggctgg 480	
tccagttgtg	atgctttccc agtcatacta ctgtggcccc aatgttatte ctacttttt 540	
ctgtgatttt	gggccactgg caaatctctc ctgttcagat accatgtctg ttgagatgct 600	
gttttttaac	cttgctttta ttgtgctttt tgggtccctt ctggtagcca tctttgcata 660	
cagcaacata	gtggtcacaa tagtgggtct ccttcgggcc agggagaaac agagagcttt 720	
ttccacttgt	tcctctcctc tcattgtcct ctctctaata tatggcagct gtgtatttat 780	
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ccaggctctg	agggatgcac tgtccagggt tcaattaccc agatatcaca ggagcagtg 960	
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<210> 1022
 <211> 985
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR119-4

<400> 1022	
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tacttggtct	ccctcatggg caacacgctc ataattagca tcacctgctt ggaccaccga 180
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gtggcttgct	tcacacaggg ctttttcttt cttttcctgg gagcaactgt tttttacctc 360
ctggctgtct	tatccctgga tcgctatctg gccatctgca aacctctaca ttatccaacc 420
atcatgagcc	caaggatgtg ctttctccct tgtaactgtg tgcttagctt tgggattcct 480
cttcatggct	ggtccagttg tgatgctttc ccagtcatcc tactgtggcc ccaatgttat 540
tcctcacttt	ttctgtgatt ttgggccact ggcaaactct tcatgtttag ataccaggtc 600

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ggttgagatg ctatTTTTTTT accttgcatt aattgtgctt tttggttccc ttctggtagc 660
catctttgca tacagcaaca tagtggtcac aatagtgggt ctccttccg ccagggagca 720
acagagagct ttttccaatt gttcctctca tctcattgtc ctctctttaa tgtatggcag 780
ctgtgtatTTT atatacatga agccaaagca gacaagcagg ctggacacca accgagaggc 840
tgctcttgtg aacacggtag tgacaccct tctgaaccct gttatctaca ccctgagaaa 900
caagcaggtc caccaggctc tgagggatgc actgtccagg gttaaattac ccagatttca 960
gaggagcaat gcaccttccc tttga 985

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<210> 1023
 <211> 207
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR263-8P

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<400> 1023
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cccatgctga accctttcat ctataccctg aggaagaggg acatgaaaag gggtttaagc 180
aaagtgcTTa ccatgaatat tcattca 207

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<210> 1024
 <211> 933
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR257-6

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<400> 1024
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ggcaacctac tcatcatcct cctcatcaca ctggacagca agctccatac gcccatgtac 180
ttcttccctca gcatcctgtc atttgtggac atctgctaca ccaacagcac tgtccccag 240
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gaccgctacg tggcagtgtg ctaccctctg cactacatgg tcatcatgca tggagggctg 420
tgtctgggac tggcttctgc ctgtctgact gctgggtctca caaattcact aatgcagaca 480
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tcaggatttc tggatgatcat gctcccttgt attctgggtgc tgttttcta tgctcacatt 660
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gcctcccatc tcacagtggg ttctatgtgt tttggaacag ccatctttac atacatgagg 780
cctgtgggca gatcctcagc aggacaggag aagatgggtg ctctcttcta tgctgttgtg 840
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aaaagaactt tggagaaact taaggaaaaa aaa 933

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<210> 1025
 <211> 864
 <212> DNA
 <213> Mus musculus

<220>
 <221> variation
 <222> (349)...(400)
 <223> Any nucleotide A, C, G or T

<220>

<223> MOR257-7P

<400> 1025

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aatggactca tcgtcctact gattgcactc gacccacgac tccacctgcc catgtatttc 180
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ctggcacact tcctcatgga gaaaaagacc atctcttttg ccctgtgtgg gaccagctc 300
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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn agacagcagt caccatgtgc 420
cttcctacct gtgggcacaa tgtgtcaac catgtggcct gtgagacact gacactggtc 480
agactggcct gtgtggacat caccctcaac caagtgggta tactagcttc tagtgtggtg 540
gtgctgatga taccctgctc tctggtctct ctgtcctatg cccacattgt ggctgctatc 600
atgaagatcc attctaccca gggacgccgc aaagcctttg agacctgtgc ctcccacctg 660
actgtggctc ccatgtctta tgggatggcc ctcttcacct acctgcagcc cgcctccaca 720
gcctctgctg agcaggacaa ggtggtagtg atcttctatg ctttggtcac ccccatgatg 780
aatcctctca tctacagtct gaggaacaag gatgtgaagg ctgctttcag gcgagttctg 840
atgaagaaca ttgagtcaaa gaat 864
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<210> 1026

<211> 892

<212> DNA

<213> Mus musculus

<220>

<221> variation

<222> (314)...(333)

<223> Any nucleotide A, C, G or T

<220>

<223> MOR257-8P

<400> 1026

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gggaacttcc tcatcattgt tctgatcaga ctggacagca gactccacac tcccatgtat 180
ttctttctca ccaacctgtc cctgggtgga tgtgtcttat gccacaagca tcgtccccc 240
gctgctggct cattttcttg ccacacacaa aacaatccca tttctgagct gtgcagccca 300
gttatttttc tctnnnnnnn nnnnnnnnnn nnnatactcc gccataatgc atacaggact 360
atgcagtagg atggctattg ttcttgggt cggtggttcc atcaactcag tcatgcagac 420
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ggtatccagc atcattctcc tgatgactcc attctgcctg gtcctcctat cctacatcca 600
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<210> 1027

<211> 435

<212> DNA

<213> Mus musculus

<220>

<223> MOR34-8P

<400> 1027

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accaatccta tcatt                                     435
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<210> 1028

<211> 651

<212> DNA

<213> Mus musculus

<220>

<223> MOR0-8P

<400> 1028

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aactttcttg ctttcacaat aaacagggtg gacctactc ttcaaacaca caagtatttc 180
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ctgtgatata ctacttttat gtaacagcca acctgacctc ctgaaggacc agctccaact 600
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<210> 1029

<211> 648

<212> DNA

<213> Mus musculus

<220>

<223> MOR214-7P

<400> 1029

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aactatcagc tttgtgggct acatgggtata atattttatc tttttcacta ggggtgctaag 300
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gctctatcac caatcatgtt acccaccctg tgtgcttggg tgatggtaga atcttatgtg 420
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gacaaattct ttgtacagtt tctgcttgcc atattttaca gggtgttttag aatagtgaat 600
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<210> 1030

<211> 942

<212> DNA

<213> Mus musculus

<220>

<223> MOR171-35P

<400> 1030

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<210> 1031

<211> 830

<212> DNA

<213> Mus musculus

<220>

<223> MOR171-36P

<400> 1031

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gctctcatgt catggctgtg ggaattttct ttgggtctat caccttcata tatttcaagt 780
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<210> 1032

<211> 549

<212> DNA

<213> Mus musculus

<220>

<223> MOR171-37

<400> 1032

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<210> 1033
 <211> 932
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR135-23P

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atctcttact	ctactgcatt
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cagtgatgac	tcttgacagg
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cttgatgtat	gcagcagata
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tgtccatcat	gtatttccag
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cattattcta	cactcttggtg
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<210> 1034
 <211> 1046
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR0-9P

<400> 1034	
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atcaccttct	ctctctctct
240	
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gtctctgtct	ctccctgtct
300	
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360	
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420	
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ctccctccct	cogtccaata
tgctgttttc	ctttcagtg
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gagtggtcaag	tgcttcttca
ctccaagggc	tagaattgct
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gcgtctttgt	attatgtctc	tcttcatgta	tgtacgcctt	gcttctagat	atgcagatgc	960
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<210> 1035
 <211> 899
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR203-6P

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<210> 1036
 <211> 581
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR223-7P

<400> 1036						
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aagccatcct	aaccttccgc	ttgccctact	gtgggtcccaa	tcaggtagat	tacttcttct	180
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<210> 1037
 <211> 941
 <212> DNA
 <213> Mus musculus

<220>

<223> MOR167-5P

<400> 1037

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<210> 1038

<211> 966

<212> DNA

<213> Mus musculus

<220>

<223> MOR0-10P

<400> 1038

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<210> 1039

<211> 710

<212> DNA

<213> Mus musculus

<220>

<223> MOR239-8P

<400> 1039

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ccctcccat ggacagagct gtctccatca cattcaactgt catcattcct gtcctcaacc 660
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<210> 1040

<211> 449

<212> DNA

<213> Mus musculus

<220>

<223> MOR133-4P

<400> 1040

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aataagaatg aattcccacc tccacacatc catgtaagtc ttctagtga tctgtcctta 180
ataggcctct actatataaa ctcaatggac cccaagatat cacaccatc tacagctcca 240
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<210> 1041

<211> 746

<212> DNA

<213> Mus musculus

<220>

<223> MOR177-13P

<400> 1041

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tggcatgac attttaatga gaatggatcc ccagctccac acatccaagt acttttactt 180
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<210> 1042

<211> 661

<212> DNA
<213> Mus musculus

<220>
<223> MOR264-15P

<400> 1042
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tattctactg ggcaatgaca ccattgtact aatcacaagg gtagtttttt cctttggcaa 180
attttctttt ttagagatat ggtatatata tattactctt cctaggatgg tcttgggact 240
caaaaaagag ctatgtcttt cattgcctgt gctacaaaac tgtgcttcac tcctaccctg 300
ggagccacaa agggattttt cctggctgtg atgtacaatg acatttatgt ggctgtcggg 360
aacctctctg tctattctct actcctaaga ctcacctgtg gatcaagctc tcagctggat 420
cttgggtcag tgggatgaat tctggtacag gtagattgca gacaacacaa agtttatatc 480
acttgctggg tcccaccaca ccaatcacat cttttgtgac ttccttgata tttcagcttg 540
cctgtgaaaa cgtttataaa cgagatgggtg atcttcctag atgctgtttt gttttgctga 600
tcttcatttc ttttattttac ttataatata ttacaaaatt ctgacataat tattatctaa 660
a 661

<210> 1043
<211> 303
<212> DNA
<213> Mus musculus

<220>
<223> MOR281-2P

<400> 1043
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ggcgaatgtg ggcgcggctc ccaacataat acttctgtgg cccctttgct aaaccctttc 180
atttacccc taaggaacaa acaggtgaaa gaagctttca aacatgtgct tcatagattt 240
tgttttctac aaaacaatga gacaatgttc agacatgctg ttgaaacatc aggagtaaaa 300
tag 303

<210> 1044
<211> 826
<212> DNA
<213> Mus musculus

<220>
<223> MOR171-38P

<400> 1044
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acaccactag aattaatagg ccatatggta agttgatcat ttttagtttt aagctctacc 120
aaaatgtcat taacttctaa tgatgatgag ctttgtgcaa gacaatgatg tcaactcctc 180
cctgaactaa atgactctgc tctcttctct cctaataatt gttacatatg ttaactgggtg 240
gcatgcaacc agtggcatat gaccactacg ctgtcaccag caactgcttg gtaaataatg 300
tcatcagtct taacaagtct gtttctggat ggtaagttag atgcatgcta tgggcttcac 360
tgaagataca attcaaacac tctgcatcct gagagtgtct ttatgcaagg gtaaagtgat 420
gtgaaacaac tgcttctgtg atcttcttcc actgcttcca cttgcctact ccagtacttt 480
tgtcaataag atagtgtctc tgtacaacag tgattcaata tgttccaacc caggccacta 540
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ggcttcatat attttcaacc ttcatttgct ccaagaagaa aaataaagca tcatctctgt 720

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 caaatttact ctaaggaagg tggtaagaa acagaatttg cacgtg 826

<210> 1045
 <211> 693
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR171-39P

<400> 1045
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 tattcatctg tcattatccc taagatgttg gtgaacttgt atgtgagaag gacatgatct 180
 ttttgagtg tatgattcag ctgtacttca tcatttttgt cattgcagga ggctccctgc 240
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 tggaagcagg gatacctgga agacgcataa caaacacaca tagacacctt tttcaggaac 360
 aatctctcag gcaagtttcg aggcttgagg ttgctcttca tctctctgtg tctctttgtc 420
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 cacactttgc ttttctcttc tgcactttgc ttttctcaaa ctcccatgt ttctacacac 540
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 tctcatgtgt tctttcactc acatagacac acccctcaca ctcaactctt tcttgctactc 660
 tttctcacac actccatatt cctcttgcc ttt 693

<210> 1046
 <211> 669
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR136-17P

<400> 1046
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 ttagtatcat gagaaaagag cttggtgcat tattagaagc tgtttttttg atcttgtaca 180
 atgccagctc cttcacttgc gtcttctaac attgttgctc ttctgtgctg atggcatgct 240
 tctgttaaga cctaactgcc atgatcaaat tatcctgctt agataccttc ctaaaagaat 300
 tggatcatgtt cacagtcagg gtggcagtc ttttttggca tttatatgta cattgggtatc 360
 ttatggatac actggggcca cagtcctgag gggcccttcg accatgggga tttataaagc 420
 attgtataca catggcttct acctcttggg ggtgtcttta tattatgggg gtattttgga 480
 tagtaccttt tcccagaatt aagcaatagg atggacaagg acaccattat agctgtcatg 540
 taaacagctg tcacacccat gttaaattctc ttcattttgta atctaagaaa tagggataca 600
 aaagaagcac tagggatact cttgtcaagt aagaggtttt acatgataac atctgaatac 660
 tttcactga 669

<210> 1047
 <211> 935
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR175-8P

<400> 1047
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caacttgggt atgggtcactg taatatgggt ggaccccaga tttcatactt ctatgtacat 180
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tatggtttgc tggctctttt gaggggaactg agtggttctt cctagctgcc atggcatatg 360
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gtgcacagtt tgtcatttgg ccttatcttc tggctgctat aaacatcaaa actcatgaaa 480
ccttgacctt ttgcttacca ttttgtgggt ccaatactat caacatttct tctgtgatat 540
ttccccaatg cttgtcttag catgtgctga ctccctccatc aacaagatag tggctcttgt 600
cttggatgga gcaataggag tgtttagtgg tgtgatcatc acagtctcct acatctctat 660
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gaaaagtaca aaggaaacat ttttcaagag attgg 935

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<210> 1048
 <211> 763
 <212> DNA
 <213> Mus musculus

<220>
 <221> variation
 <222> (746)...(763)
 <223> Any nucleotide A, C, G or T

<220>
 <223> MOR0-11P

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<400> 1048
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cttaccctca tgggcaatgc ttccatcatc tgtgctgtgt gctatgatct tcctccttct 180
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tatatttcca cacaatttct ttttgttttc tttttctttt ttaaattttt tcagtcaact 300
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ctttccctc ctaaaatccc ctatgccctc tccctccct cctgtttacc aaccaccta 420
ttcctgcttc ctggccctgg cattcctcta ttttggggca tagaaccttc acaggaccaa 480
gggcctctcc tccattgat gacctactag gccatcctct gctacatatg catctagagc 540
catgtgtttt ctctgattgg tggtttagtc tcagggatct ctgggggggt actggctagt 600
tcatattatt gttcctccta tggggatgca aacccttcca gcccttggg tctcttctct 660
agctccttca ttgggggttat gtttttctaa attctattac cccaaccatc tatgctacac 720
ttagatattc agcttgggtt ttctcnnnnn nnnnnnnnnn nnn 763

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<210> 1049
 <211> 690
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR162-9P

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<400> 1049
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ctttttttct ttgccttctt tgttattgat gaatgtctaca ttttgacagc aatggcttat 120
gacagatatg ctgccatttg taagcccttg ctttaccagg tcaccatgtc tcatcaggtc 180
tgcctattga tgactatggg tgtgtatgtg atgggctttg caggtgcctt gtcccacata 240

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gtttgcatgc	tgagactcac	cttctgtgat	ggtaacatca	ttaatcacta	tgtttgtgat	300
gtacttcctc	tccttaaact	ctcctgcaca	agtacctcca	tcaatgagat	ggtagttttt	360
attgttgtgg	gtgtcaatgt	gatagtcccc	agcctgactc	tctttgtttc	ttatacctta	420
atcctttcca	acatcctcag	catccattct	gcagaaggta	gatcaaaagc	cttcagtacc	480
tgtggctccc	atgtgatggc	tgtttctttt	ttctttggag	ctgcagcctt	catgtatctt	540
aagccttcta	gtgcatctgt	ggatgaagag	aaattatcta	ccatctttta	taccattttg	600
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agaaaaacat	tgatgaaact	gaggttttcc				690

<210> 1050
 <211> 832
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR162-10P

<400> 1050	
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caacagccag	aacttcagct acctctcttc ttccagttct tgggaatcta tgtggtctcc 120
attgtgggga	acctgggctt gattgtttctg attgtcttga atcctcacct ccacaccccc 180
atgtactact	ttctcttcaa cctttccttc acagacctct gctactcctc tgccataacc 240
cccaaaatgc	tggtgggttt tgtgaaccag aacatcatcg ctcatgctga atgcttgact 300
cagctctttt	tcttctgctt ctttgttctt gatgaatgtt acatttgtac agaaatggcc 360
tatgacagat	atgctgccat ctgtaagacc ctgcttaacc aggtcaccat gtcccatcag 420
gtctgccttg	gaaatcacia aaggctggat tatattatat tcagaaatgg aaaaatcaaa 480
aaaatctttt	taaatgtaca tatctatttt attatttttt agtttgtttg gggacatcat 540
atccctaaag	tctttcatgc taagcaagtg tttaaccact gacctacatc ttaagagtag 600
gcacatttgt	aagtttttgtg tggctgtctc agacaatgtc ttactacttc acatagcaaa 660
cctctgggat	aattttatagg agagttcatt ttaaaggctc atttgcctg caaaaggctg 720
aagtaaggag	ggaaaatgaa aactcctttc tttctggtct tttttcattg tcttaaagca 780
gtttcgtaaa	gagggcttaa caagttatca accaagcaat atacatgact cc 832

<210> 1051
 <211> 657
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR0-12P

<400> 1051	
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caggttttcca	aaatgcattt ccaggctaga acccaggttg tggctctgctg gccggacaca 180
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aagacttcag	tatttgtaga ttacacattg cttcaattta tgttttcatt gagtttacag 480
cattcaagtg	ttttaaatat tcatatggat ctatagacca aggattttat tttctgtttc 540
tacactgatg	tgatactcat cctcaacatt ataatttata gtatgtgtat catggatgta 600
gaaatggcac	ttatgggatgc tttgatgaaa tttcagagaa atgtatttca tttatag 657

<210> 1052
 <211> 829
 <212> DNA

<213> Mus musculus

<220>

<223> MOR171-40P

<400> 1052

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taccgtagct cacactgtct ttgtgctaag agttttttgt ttctgcaag actggtatat 480
taaaccatta ctctcggggt ctagtacttt tatcagtga ttattagtcc agtgcattta 540
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ccagtatttt ggctgttact gtgttttggg gttacatcct agcattatct tcatagacga 720
aggaaaagtg ttgactatgt cttataccat ccttgagtcc atggtaaaat cgagaatcta 780
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<210> 1053

<211> 914

<212> DNA

<213> Mus musculus

<220>

<223> MOR214-8P

<400> 1053

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acctggaatc tgtccctcat tgtgttaata agaattgatt cacacctcca cactcccatg 180
tatttctttc tctataacct gtccatcata ggactttgct atgtcacctg cacagtccca 240
aaaaaaatgc tctcaaactt tttccaggaa aagcaaacta tcagctttgt gggctgcatt 300
gttcagaatt catctttttc accatggggc tgagtgaagc ttgtctcatg gcagccatgg 360
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cagttgttag ttctgtcctg catagacaat tctgactgc catattaaca atgatctttg 600
gatttgtaaa catgctagtt atcatgatat cttatggcta tattgtcatg tccatcctga 660
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cctccagttt tgacagattt gtgtctgttg tctacactgt ggtgattccc gtgttgatcc 840
ctttgatata cagtctgaag aacagagaaa tcaaagatgc tatgaagagg ttaaagaaaa 900
agacaatctg cagc 914
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<210> 1054

<211> 859

<212> DNA

<213> Mus musculus

<220>

<223> MOR137-1P

<400> 1054

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cctcatgtac	ttattcctca	tcattcttgca	catatggctg	gattctcacc	cccaagtccc	180
catgtacttc	tttctcagcc	acttggcttt	ctgtctcatc	agttactgtc	tcagagatgc	240
tctggagcat	ccagactcag	cacctaagca	ttccctatga	ggggcatttc	tcaaatctag	300
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tgggtaccat	ttcaggccct	tatatctgta	ctggggctac	tgttctaagt	gtccctccat	660
gaagaatatc	tacaaagttc	ttcatgggtg	ttttgcaacta	taggtacttg	caattattta	720
tttctttcat	ttctcaaata	attccaaatt	taagggtgtg	attgtttcag	ttatgtacac	780
agtggtgaca	accatgctga	accccttcat	ctacagcata	gaaatataaa	aattggcaca	840
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<210> 1055

<211> 915

<212> DNA

<213> Mus musculus

<220>

<221> variation

<222> (501)...(603)

<223> Any nucleotide A, C, G or T

<220>

<223> MOR189-4P

<400> 1055

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ggcaacttgg	gcatgatcat	ccttaccatg	gtggaatcaa	ggctacaaac	acctatgtac	180
ttttttctca	gacaccttgc	tactactgac	cttgggttatt	caacagctgt	gggacccaaa	240
atggttaagaa	gttttcttgt	agaccaaaat	agaatatcat	ttcatttctg	tgctgtccag	300
tttgctttct	ttagcatggt	cattattagt	gaatttttta	ttctgtctgc	aatgtcttat	360
gaccgttatg	tcgccatctg	taaaccactc	ctctataatg	tcattatgtc	acaaagagtg	420
tgttgggtcc	tagtgacaat	cccatacctt	tagagtatat	ttgtcgctct	catagccacc	480
ataaatattt	tttcttcttc	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	540
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nnntcaccac	tggtcatcct	tgtttcctat	ctgctcattc	tcagagctat	tctcaggatg	660
aactctgctg	agggcaggca	gaaggctttc	tcacactgtg	gatctcatct	gacagtagtt	720
attgtattct	atgggacatt	gatttttatg	tatgtgcaac	ctaagtccag	tcactcctta	780
aacactgaca	atgcagcttc	tattttttat	accctaatac	tccttatgtt	gaatcccttg	840
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<210> 1056

<211> 902

<212> DNA

<213> Mus musculus

<220>

<223> MOR188-6P

<400> 1056

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ggcaacttgg	gcatgatcat	ccttgccatg	gtggattcca	ggctgcaaac	acccatgtac	180
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ttctttaga	tcaaaatgca	atatcatttt	atgcctgtgc	tatccagtta	tctttcttta	300
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tc						902

<210> 1057
 <211> 828
 <212> DNA
 <213> Mus musculus

<220>
 <221> variation
 <222> (416)...(435)
 <223> Any nucleotide A, C, G or T

<220>
 <223> MOR191-2P

<400> 1057	
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aatgttagtt	aattttgttg
gttagcttgc	tttcttcttt
tgaccgggat	gtgcctatat
nnnnnnnnnn	nnnnntgaat
agagaagaaa	ataaaaagtgc
ggacttgagt	acactctgta
tgtgtcattg	agttttatga
tttattaaca	tttcagtga
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caaatgaaat	ttgattatga
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	ctaatttcag
	ttcattat
	828

<210> 1058
 <211> 813
 <212> DNA
 <213> Mus musculus

<220>
 <221> variation
 <222> (582)...(687)
 <223> Any nucleotide A, C, G or T

<220>
 <223> MOR248-13P

<400> 1058
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aagaatattc aggtottact cttcatgata ttgttgactc tttatcttct catcatgtct 120
ggaaatattg tcatactgat ctttaataact actgaccccc atctcctttc ccccatgtac 180
ttcttggttg ccaacatgtc ctttggtgat atgtggctct cttcaaacat cactcctaag 240
atgatcacag gttttctcag ggaaaacaag accatttctt ttgcaggatg catgtttcag 300
gtcttttttt cccattgcat tgctgcagga gagatgggtg tggtgggtgg aatggcttat 360
gatcactatg tggccatctg caaaccactc cactacatca ccatcatgaa ccttaagaga 420
tgactgggtg tgggtgtcac ttctggata attggcttta ttcattggtat aagtcacttg 480
gtagtgggtg tgcatctgcg tttttgtggt cccaaggaaa cagacagttt cttttgtgac 540
atgccactgg taatcaagct agcctgcatg gattcccata annnnnnnnn nnnnnnnnn 600
nnnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn 660
nnnnnnnnnn nnnnnnnnn nnnnnnnata aagttgtact ttacactttt tgaccaaact 720
cacatgttta aacaggggat aaaatattaa taaatttttc ccgagtattc atctgtagat 780
gctatacata cccccaaatt gtcaacttct att 813

<210> 1059
<211> 706
<212> DNA
<213> Mus musculus

<220>
<221> variation
<222> (267)...(286)
<223> Any nucleotide A, C, G or T

<220>
<223> MOR0-13P

<400> 1059
acacacacgg aggactctaa tcaaactgtg gtttctgagt ttattttttca gggactgtgt 60
acctcaaggc aacttgagat cttcctctta ctaccatttt ctgtcctcta tctgatgact 120
ttggtagata acctctttgt agtgatattg atcatcactg atcatcattt caattctccc 180
atgtactttc tgtcagctaa tctatcattt ggtgacttct accttctctc agtaaataca 240
ccaaactga ccatagatct cctaaannnn nnnnnnnnn nnnnnntctt aatgagtgtt 300
ctattgctgt gaagaaacac cttgaccatg ccagctttta taaaggaaaag catttaattg 360
ggaatagctt gcagtttcag aggtttatth cattctcatc attgtgggtg gcatagcagc 420
atgcaggtag acatggtact ggagatatag ttgagagatc tacagacaga tccatgcata 480
acaggaagaa agagactctg aacttgaaat aggccttttg aatcacaaat ccttccttca 540
gttgacactc tcttcaaaca agatcatgcc ttctaactct tctcaagtaa tgccactccc 600
taacgactaa gtattcaaat atattagtct ataaaaggta ttcttattca aggccttttag 660
ccttatcata atgtaaaatg cattcagtc cacttcaaaa gtctcc 706

<210> 1060
<211> 943
<212> DNA
<213> Mus musculus

<220>
<223> MOR110-8

<400> 1060
atgaaaaata agtcaatgga acttgacttt attcttttgg gattgacaga tgaccacaaa 60
ctgcaaattg tggtttttct gtttctcttt ctcaattatg tgatgagcct ggtggggaac 120
ttaatcattg tgcttctcac cctgctggac cctgcgctca aaactccaat gtatttcttt 180
ctccgtaatt tctccttttt ggaaatcatg ttcacaacag tgtgtattcc cagattcttg 240
acgaccattg tgactggaga caaaactatt acttataata attgtgcagc tcagttgttt 300

ttcattcttt	tgctgggagt	cacagaat	tatctcctgg	ctgccatgtc	ctatgaccgc	360
tatgttgcca	tctgcagacc	actgcactac	cctatcatca	tgaacagcaa	agtgtgccac	420
caactcgtcc	tcagctcctg	ggtgactgga	ttcttgatca	tctttccccc	attggccatg	480
ggtttgaagc	tggatttctg	tgattccagg	ataattgatc	atttcatgtg	tgaaacttct	540
cctattttac	agatctcctg	cacagacact	catgttctag	aatgatgtc	ctttgtctta	600
gcagtgggtga	cacttgtagt	cacactggta	ctagtgaagc	tctcttactc	tttcatcatt	660
aagactatta	tgagtttccc	ttctgcacag	caaagaacca	aagccttctc	cacctgcact	720
tcccacatgt	ttgtttgtct	cataacatat	gggaagtgtg	atcttcatgt	atattaaacc	780
atctgcaagg	gagagagtgt	ctgtgtctaa	aggtgtagct	ctgctgtata	cttcaatcgc	840
cccctctcct	gaacccttcc	tttatacact	aagaaaccag	caggtgaaag	aagtcttctg	900
ggatgtatta	caaaagactt	tgggcttttc	aaaacacaaa	ggt		943

<210> 1061
 <211> 663
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR224-8

<400> 1061						
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ttcctgtaca	cagtgatggc	ttatgaccgt	tttggttgcca	tatgctaccc	tctacgctac	120
tcagtcataa	tgagtcatag	aatttgtgcc	ttcctggcca	tggggacagc	agttttcggc	180
tgatttcatt	ccacctttct	aactactctc	accttccagt	tgccctactg	tggcccaaaa	240
gatgtgaact	attacttctg	tgatattcct	gtggtgatga	agctggcttg	tgacagacaca	300
tcgaccctgg	agatggtagg	gttcacatcag	gtgggtctca	tgccctcag	ttgcttcttc	360
ttcatcctca	cctcctacag	ctgtatagtt	cgggtccatcc	tacagatccg	ctccactgag	420
ggtcgacata	gagccttctc	cacctgcagt	gcccatttta	ctgccatttt	gctcttttac	480
atgccagtga	ttttcattta	tctaaggcca	acaccaagtc	cttggttgga	tgcaactgtt	540
cagattctga	acaatctggg	cacctctatg	ctaaatccgt	taatttacag	tcttaggaat	600
aaggaggtga	aatcatcact	gtggactgtc	ctacatctgc	tgtgcttct	tccaagcat	660
ttg						663

<210> 1062
 <211> 597
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR267-11

<400> 1062						
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cctcttctaa	tgaccaatgt	tgcatgtgga	caacttgtgg	cctctgcttg	ggttgagggc	120
ttctttat	ctctcattga	gacaacactg	atattcaggg	tgtctttctg	catacctaac	180
ctcatcagac	acttcttctg	ccatatgagg	gcagttctga	ggctgtcctg	cacagacagt	240
aacttcacag	aattcattgt	aacactgatg	tcagtgtctg	gtttgctggg	tacattcttg	300
ctcatcctcc	tgacttatgt	gttcacctct	tcttctgtcc	tcaagatccc	ttcagctgag	360
ggtaaacaaa	aggcattttc	cacctgtgcc	tcacacctca	ctgtggctct	catccacttt	420
ggttttgcat	ctgttggtta	tatgaagcca	gaaaactccg	gaggagatga	cacactcata	480
gcagttccat	ataccgtcat	taccccatcc	ctcagtcaca	tcatattcac	actcaggaat	540
aaggatatga	agaatgcttt	cagaaagatc	atgagaaaga	cagtagtctt	gaaaaaaa	597

<210> 1063
 <211> 551
 <212> DNA

<213> Mus musculus

<220>

<223> MOR231-17P

<400> 1063

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aggggtatgta ttctcttctt ggtgatggcc tgggcgggag gtcttgcaca tgcttttgtt 60
tcaagttctc gctgtatata attttccatt ctgtgggtccc aatatcattg accacttttg 120
ctgtgacata taccactat tactacttgc atgtactgat acatacttcc ctgggccttt 180
ctatcattgg caataatggg gcaatgtgca tagtcatctt cactctcctc ctactctcct 240
atgggataat ccttagattt ctcaagaatc acagtcagga agggaggcgc aaagctctgt 300
ccacctgtgg ctcccatatc actgtggttt ttctcttttt tgttccatgt attttcatgt 360
atggttagacc tgtttctagt ttccctattg ataaattcat cactgtaatt tataccattg 420
ttactcccat gttgaatcct ttaatatata ctttgagaaa ttcagaaatg aaaaattcta 480
tggaaaagct cctgcagaaa acattaagtc caagtagaat acggctgtct tcttgctgct 540
tatgttacta a                                     551
```

<210> 1064

<211> 462

<212> DNA

<213> Mus musculus

<220>

<223> MOR114-10P

<400> 1064

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accctgataa tttctatcaa tataattgac tctaatatca ttgatcattt tggatgtgat 60
gtaaaccctc ttctgaaaat atcgtgctca gacaagtggg taattgagca gatggtaata 120
tgctcggcag tattgacctt catcattact cttctatgtg cagtcttttc atacatgtac 180
atcataagga cagttctaaa attcccttct gcccaacaaa agagaaaggc cttttctacc 240
tgctcttcac acatgattgt ggtttccatc acctatggca gttgcatctt catttacatc 300
aaaccatctg caaaagaaga agtgaccatt aataaatgtt tgtccgggct tatttcttcc 360
atatcaccca tgctgaatcc ttcatatat actctaagga acaagcaagt taaacaagct 420
tctcaggact taattaagaa aattgcattt ctcttaagaa ag                                     462
```

<210> 1065

<211> 401

<212> DNA

<213> Mus musculus

<220>

<223> MOR274-3P

<400> 1065

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acatcactct atgaaaccct tgaatgtatg catgctgtgt gctgatgcta ctaatcccaa 60
tatccttcat ctcagtctcc tatacacgga tctcctcac tgtctaccac atgagctctg 120
ctgagggccg acggaaagcc ttaccacagt gttcctccca cattatagta gtgagcattt 180
tttatggggc agctttctat accaatgtac tgccccattc ttaccacaca cctgagaaag 240
ataaggttgt ctgagccttt tataccattc tctactctat gttgaacca ctcatttaca 300
gtttgaggaa tagagatgtg gctgtggctc taagaaaagt cctaaggaaa tatgcttctc 360
ctcagagatt acgagtgaga cacatacctg agaaatacta g                                     401
```

<210> 1066

<211> 693

<212> DNA

<213> Mus musculus

<220>

<223> MOR40-10P

<400> 1066

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caggtcctgc ttatcttctg gttcaacatg aaacccatca gctttgtggg ctgcttctctg 60
cagatgtttg tcatgaatac ctctcttctt atggaatcct ctacctttct ggtcatggcc 120
tatgatcgct atgtggctat ctgccatcct ttgtgggtcc tatccatcat caaaaaacag 180
tttgtcatta atgcaggcat ttttattgtt gtcogcaatc ttctagctac actgcccact 240
ccagttctgg ctgctagact caattactgt gccagcaatg tgggtggagaa ctgcatatgt 300
gccaatattt ctgtagcaaa actttcctgt ggggacattc gcctaaataa gctctatcaa 360
tttgtgagtg tttggtgcct actagggttct gatctgggtcc tcatttttgc ctcttactgc 420
ttcatcttga gggttgttat gtgtcagcag tctggaggca ctgtcaccaa ggccttgagt 480
acttgtgggt caccatctcat ccttatactc ttctctata ctttgttgct agtctttatc 540
ttcacaacaa aggcaggaaa gaagataccg tcagagggtac caattcttct taatgtgctg 600
catcatctca tcccacctgc cctcaatccc attgtgtatg gagtacgaac ccaggaaatc 660
aagcagggga ttatcaagct attcaaacac tag 693
```

<210> 1067

<211> 937

<212> DNA

<213> Mus musculus

<220>

<223> MOR245-18

<400> 1067

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atgaatgaag caaattactc agaagtatct gaatttatat tcctgggact atcaacctac 60
agaccaacac aatattttct ctttgccttt gctataatat catatgcagc aacattttctc 120
ggaaattttct cagttgtgtt tatagtgatc ttgaccctc atttacattc acccatgtac 180
ttccttttag ctaatctttc attcgttgac ttttgttttt ctacctcaac agttcctaag 240
ttgattttctg acctgtactc aggtcacagt atcatttcaa tccagagctg catcttccag 300
atgtttgtcc tccatctact ggggggatgt gagatgggtg tgctggtagc catggcctgg 360
gacagatatg tggccatatg caaacccctc tactacctga ccatcatgaa cccacggatg 420
tgtcttttgc ttttgattag tgccctggatt attggtctca ttcattcagt ggctcaatta 480
gcttttgttg tccatttgcc tttttgtgct tctaatagaga tagatagctt ttactgtgat 540
cttctctgat tcatcaaaat ggccctgtata aacacctaca gaatggagtt cttgggttact 600
gctgacagtg gatttatttc tctcagtaac ttctttttat tgattatctc ttacatcttc 660
atactgttta ttgtacggaa acagtccttg ggcagtttgt ccaaggcctt ctctacactt 720
tctgtccaca tttgtgtggt agttttgttc tttggaccat gcacttttgt gtacatatgg 780
ccatttctca ctgtgccagt gggataagtt cctggccatt ttggacttca tgattatacc 840
catcctgaac cctgccattt atacactgag gaacaaagac atgaagggtg caatgagaag 900
actgagtgtt caactcctga gtaggaaaag tatctgc 937
```

<210> 1068

<211> 684

<212> DNA

<213> Mus musculus

<220>

<223> MOR248-14P

<400> 1068

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atggaagact ctaatcaaac tgtggtttct gagtttattt ttccagggaac tgtgtacctc 60
aaaggcaact tgagatcttt ctcttattac cattttctgt cctctatctg gtgacttttg 120
taggaaacct ctttgtagtg atattgatca tcattgatca tcactctccat tctcccatgt 180
acttctgtgt agctaattca tcatttgttg acttctgcct ttctctagta aatacaccca 240
```

```

aactgaccat agatctccta aaagaaaata aaaccatttc ctttggcggc tgcatgagcc 300
agatcctctg tgtgcatttc tttggaggaa gtgagatggt gcttcttgta acaatggcct 360
atgaccggta tgtggccatc tgcaggccac tccactacag cagcatcatg gacagacaga 420
agtgcattct gctcgttgtg atatcatgga ttgttggatt tgtgcatgcc attagtcatg 480
tgctcttgat tttggatcta ccattctgtg gacctagagt gatagacagc ttttctgtg 540
atattccttt ggtgatgaaa ttagcctgca tgaatactga tactctggaa atcctaataa 600
atgctgacag tggcatttta gcaacttact tgtttcactc tcttactgat atcttatact 660
tatattctat taactgttca acat                                     684

```

<210> 1069
 <211> 813
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR264-16P

```

<400> 1069
atggctatca ttggagaaga aaatatgact caaatttcag aaattattct tttgggtttt 60
ggagatctcc atggccttca gtttcttctt tttgggctat ttctagccat ttatgttatg 120
actctcctgg gtaacattgt aattctcacc gtagtatcca ctgattgctc ccttcacaca 180
cccatgtatt tctttcttgg ccacttctcc ttcttagaga tcagctacac cacaacaatt 240
gagcctgtaa tgctgtggac attgttatcg gctcatgtgc ctatctcctt gccagcctgt 300
gcttgtcagt tttacttttt tgcatctttg gtggcaacag aatgcttctt ccttgctgta 360
atgtcttatg atagatacat agccatttgt aaccactac actattccag tatcatggac 420
tcctggggtt gtttcacagt agcattggcc tcttgggttg ctggatttct ggcacctatc 480
ttactcatga tcttgatttt tcgcttaaca ttttgttctg ccaatgagat tgaccacttc 540
ttctgtgatt tgaagcccat catgaaactg gcctgcaacta ataactcaagt agctgaaatg 600
acttctttta tatgtacctc attattcgct cttgggtccct tcatactgac cttgggttcc 660
tatattcaca tcatttgcac cattctgagg atcccttcga ccacagggaa gcagagggct 720
ttctccacct gttcatctca ccttatagtg gtcagtcttt attatgggac tctgggcatt 780
gtctatggct tcccatcaat gcctcaatat gaa                                     813

```

<210> 1070
 <211> 402
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR34-9

```

<400> 1070
aagttgccct gtggcaatgt caaggtgaat gccatttatg gtctaattgg tgctctcttg 60
attgggggtt ttgacatcct gtgtatcaca atctcctata tcatgattct gagggcagtg 120
gtcagcttat catcagcaga tgctaggcag aaggccttca gcacctgcac tgcccacatc 180
tgtgccattg ttttctccta tagcccaacc ttcttgtcct tcttttccca ccactttggg 240
gggcacacaa tccctccatc ttgccacatc attgtggcta atatttatct gcttttgctt 300
cccatatga accctgttgt ctatggagtg aaaaccaaac agatacaaga ctgtgtcata 360
aggatttttt cagagtctaa ggattccaaa gctcacggta ta                                     402

```

<210> 1071
 <211> 378
 <212> DNA
 <213> Mus musculus

<220>

<223> MOR256-42P

<400> 1071

```
ttggcctgcc aggacacagg aaggaacaga gggccaagat gtttgtggcc agagcccata 60
atcttgggtct tccctgcaac attaattctt ggctcctatg gacacattgg ctaaagcagt 120
actaaaggggt caagtcaaca gctggacgca gaaaaagctt ttgggacatg tgggtcccac 180
cttctgggtgg ttccctggtt ttatggctca gccatttaca catacttgca acccaagagc 240
agttattctg agagtgatgg aaaatttgtg gccctttttt atactattgt cacccccattg 300
ctcaaccctc tgatctatac cctgaggaac aaggatgtga agggggctct gtggaagggtg 360
ctagggagag gcacagac                                     378
```

<210> 1072

<211> 774

<212> DNA

<213> Mus musculus

<220>

<223> MOR232-8

<400> 1072

```
tggacttcgg gcctccgcac gcccatgtac ttcttccctgc gccaaactggc gctggtagag 60
atctgcttct cactggacgt ggcaccccgc ctgctggtga cctgctgca gcctggacgt 120
ggggtgtccc ccacgagctg tgccctgcag ctgctccttg tgctgtcctg tgtcacatct 180
gagtgtcttc ttctcatggt catggcctgg gatcgcttct tggccatctg caggccactg 240
cgctatggcg ccatcatgag ccgcagctg tgctacctgc tagctactac ctgctggctg 300
gcggaatcc ctgtggcact cgtcttcacc atctggctct ttaacttccc cttctgtggg 360
ccacgtggca tccgacactt cttttgtgac atagcacctc tgctgagcct ggtgtgtgca 420
gacaccagag ttttcgaggc caatgtgttt gtggccaccg tcctcgatcat catggttccc 480
ttctgtctca tagccacatc ctatgtgatg attctggttg ctgtccttag gatgccatcg 540
gcctctgggc gccacaaggc cctgtccacc tgcgcctccc atctcatagt ggtaattctg 600
ttctatggca caacaggggt catccacttg cgcaccaagg ccagctactc tccagagagc 660
aagcaagtgg tgtcgctgtc atacaccatg gtgacccta tgcttaacct cctcatctac 720
agcctgcgga acaaggaggt caaggctgcc tttgggcgtg tatgctgtgg acgc 774
```

<210> 1073

<211> 704

<212> DNA

<213> Mus musculus

<220>

<223> MOR23-3P

<400> 1073

```
ccccaaatgt tggccatatt ttggttaggg cttattcctg gcctttgatg cctgcctagc 60
ccagctcttc ttcatccata tcctgcaggg catggagtct ggcattctgt tggcaatggc 120
ttttgatcga tacattgcaa tctgtgatcc tctgaggcac acatccattc ttaaaccttc 180
aattcttggg cggtgatag ttggtggtgg aattcaagcg gtagtgcttg taggcctgtt 240
acctattcta ataaaaagac tgcaccattt tcaatccatt caaattgccc actcttactg 300
tgaacacatg actgttgtga agcttgcagc aaaccgtgtg cagggtcaata agatatgtgg 360
tctctttgtg ggggttgagc gttctgggat ttgacatgtt ttttatectc atatcatatg 420
ccctgatttt ctaagctgtt tttcacctta aacagaagga ggcaaggctc aaagccttta 480
acacctgcac agctcatatt tttgtttttt tagagtctta tattcttgcc tttttctcct 540
ttttaagcca ccgtcttggg catgttgttc cctccacca cattcttctg tcaaccatct 600
acctcctctt gcctcctgct ctcaacccta ttgtctatgg agtgaaaagc atgggtcattt 660
aaaaacgggt ggcacagatc ttttttctag atcatgcaca tcag 704
```

<210> 1074

<211> 544
<212> DNA
<213> Mus musculus

<220>
<223> MOR23-4P

<400> 1074
atgctgagct ccctgaaaac caataacgtg acatatctga accctggaac tgtaatatgt 60
attggaattc ctggactaga gcacgtgcag ttttggattg gatttccatt ctttacagt 120
tgtctggtgg ctcttttggg aaatatcatt ttattaatca tcatccagc cgagcatagc 180
ttacaccaac ccatgtacat cttcctggct gtgctggcag ctacagacat aggactttgt 240
gcagccattg cccccaaat gttggccata ttttggttca gggcttattc catggccttt 300
gatgcctgcc tagcccaact cttcttcac catacccttc agggcatgga gtccggcatt 360
ctgttggcaa tggcttttga tcgatacatt gcaatctgtg atcctctgag gcacacatct 420
attcttacac cctcaattac ttggtcggat gatagtgggt gtggtaattc gagcggtagt 480
gcttgtaggc ctgttaccta ttgtaataaa aagactgcac cattttcggt ccattcaaat 540
tgcc 544

<210> 1075
<211> 939
<212> DNA
<213> Mus musculus

<220>
<223> MOR190-3P

<400> 1075
atagagaagc acaacctcac aatggtgact gaattcatcc tgggtgggcat cactgaccac 60
cctgagctgc aggccccatt gtttggactg ttctctctca tctatctgat ctctctgatt 120
ggcaacttgg gcatgatcat ctttaccatg gtgaattcca ggctgaaaac acccatgtac 180
ttctttctaa gacacctcgc tactactgtc cttgggttatt caacagccgt gggacccaaa 240
atgtttacaaa attttcttgt agatcaaaat acaatatcat ttcattcttg tgcgatccag 300
ttgtctttct ttagtatgtt cattgcttgt gaaatttata ttctgtctgc aatgtcctat 360
gaccactatg tggctatctg taagcctctg ttctatatgg tcatcatgtc aaaaagacta 420
tgctgggtgc ttgtagtaat cccttatgtc tactgtacaa ttgtggcact tttaatcaca 480
attaagattt tcactttgtc tttctgtggc tccaatgtca tcagtcattt ctactgtgac 540
agtcttctct tgttatcttt ggtctgtctc aatacacaag aaattgaggt ggtgttgttg 600
tacttatcag cttttaattt gatttccctc cttctgcttg ttcttgtgtc ctacctgtc 660
attctcatag ctattctcag gatgaactct gctgagggca ggcgcaaggc tttctccacc 720
tgagggtccc acctgacaat ggtcactgtc ttctatggga ctttgatatt tatgtatatg 780
cagcccaaat ctaatcattc ctttgatact gataaagtgg ctccaatatt ttataccatg 840
gttatcccca tgtttaatcc cctgatctac agcttgagaa ataaagatgt aaaagatgct 900
ctccttagga catggaaaaa aaaatacatg gttttcttt 939

<210> 1076
<211> 941
<212> DNA
<213> Mus musculus

<220>
<223> MOR187-4

<400> 1076
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ggcaacctgg gtatgatcat tttgactaag ctggactctc acctagaaac ccctatgtac 180

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tgcaacctaa	atctactgac	tccttagaga	atgataaaat	agcctcagtg	ttttatactt	840
tagtgatccc	catgcttaac	cccttgatat	acagtttaag	gaacaaagag	gttaaaaaatg	900
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<210> 1077
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 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR182-9

<400> 1077						
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tattttctttt	gttcaagtgt	aactgcagaa	gccttcattc	tggtagctat	ggcctatgac	360
cgctatgtag	ccatatgcaa	acctctgctc	tatgtagtgg	tgatgtccaa	cagactctgt	420
attcagttca	taggtgtatc	ctatctaatt	ggacttctac	atgggtcttac	ttcatgtagg	480
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gagaaaactc	agagaa					916

<210> 1078
 <211> 816
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR183-7P

<400> 1078						
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cccagtgga	aaatccccct	gttcctgctg	ttcttggtea	tctatctcat	caccattgtg	120
ggcaaccttg	gtctgatcac	tctcatctgg	aatgatcctc	accttcacat	tcttatgtac	180
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atgctacaag	acattttttg	caagaataaa	atgatattct	tctctgagtg	catgatacac	300
tttttttcat	ttggaatcag	tgcaaccacg	gaatgttttc	ttttggcatc	aatggcctat	360
gatcgctatg	tagccatatg	caaaccctta	ctctaccacg	tgatcatgac	aaatagactc	420
tgtgtacgtc	ttttaacatt	gtccttttga	ggtggattca	ttcatgcctt	aattcatgaa	480

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ggctttttat tcagattaat tttctgtagc tctcacataa tagaccactt ttattgtgat 540
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gttctgtttt ctatcctaaa gcagaaatct ctcaaaagca taaagaaagc cttttccacc 720
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cgccctgcat ctccacaagt aaatgatgaa gatatg 816

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<210> 1079
 <211> 468
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR135-24

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<400> 1079
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ttgatgatat ttataatgag ttccctcctc attgttattc cttttttcct cattgtcatg 180
tcttatgcaa ggatcattgc ctccattctt aagggtccat ctattcaagg gatctacaag 240
gtcttctcca cctgtggttc ccactctgtc gtggtgacct tgttttatgg gacaattatt 300
ggctctact tatgtccatc aggttaataat tccacagtaa aggggactgt catggccatg 360
atgtacacag tggtgactcc catgctgaac cccttcatct atagcctgag gaacagagac 420
atgaagaggg ccctaataag agttatttgc agtaagaaaa tctctctg 468

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<210> 1080
 <211> 457
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR256-43P

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<400> 1080
atggactatt tgaacaccag ttcagaagag ggcttcattt tagtgggctt ctgagactgg 60
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ggcaacaccg tgatcatcat tctgtctcaa ctggacctcc gcctgcacac acctatgtac 180
tacttctct gccacctctc ctctctggac ctctgtctaca ctgccagcac tgtgccccag 240
cttctgggtc acctctctgg acttgacagg accatcagct ttggaagggt tgtggccccag 300
ctcttcataa tgctctcact gggaggcatt gagtgtgtgc ttttgggtggc aatggctata 360
gatecctatg ctgctgtgtg tcgcccactc cactacacaa ccattatgca ccctgttact 420
ctgcagagca ttggttgtat tctcctgggt aggggggc 457

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<210> 1081
 <211> 576
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR162-11P

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<400> 1081
atggctttta gaaatgcctc ttcagtgaag gaatttatct tgctgggatt gacacagcag 60
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gggaacctgg gcttgattgt tctgattgtg ttgaatcctc acctgcacac ccccatgtac 180
tactttctct tcaacctttc ctccatagat ctctgtctact cctctgtcat aacctctaga 240
atgttggtgg gttttgtgaa gcagaacatc atctctcatg ctgagtgcct gactcagctt 300

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tttttctttg ccttctttgt tattgatgaa tgctacatth tgacagcaat ggcttatgac 360
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ctattgatga ctatgggtgt gtatgtgatg ggctttggca ggtgccttgt cccacatagt 480
ttgcatgctg agactcacct tctgtggatg gtaacatcat taatcactat gtttggcgat 540
gtacttcctc tccttaaact ctctgcaca agtacc 576

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<210> 1082
 <211> 633
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR256-44P

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<400> 1082
atgaaatatt tgaacaccag ttcagaagat ggcttcattt tagtgggctt ctcagactgg 60
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ggcaatactg tgatcaccat tctgtcttga ctggacctcc acctgcacac acccatgtac 180
tgcttcctct gccacctctc ctctctggac ctctgtctata ccgccagcac tgtgccccag 240
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gattgctatg ctgctgtgtg tcgcccactc cactacacaa ccattatgca ccctgttctc 420
tgcagagcat tgggtgtatt ctctgggtg gggggccttg tgaactctct gatccagaca 480
agccttgtga tggccatgcc tctgtgtgga catcaactga atcacttctt ctgtgagcta 540
cctgttctcc tgaagatggc ctgtgaggac acaggaggaa cagagggtcaa ttcgtttgtg 600
gccgggtca taatcttagt gtgtccttha ctg 633

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<210> 1083
 <211> 531
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR192-2

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<400> 1083
tctcataaag tatgttggct tctagtcaca atgacctatc tttactgtac atthtatgtcc 60
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ttcttttgtg attgtattcc cttaatatca ttgctttgtc caaatacaca agaagttgaa 180
cttatagtha tgttctttgc agcttttgat ttgatttctt cccttgtcgt cgtgctgatg 240
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gctttctcta cctgtgggtc ccacctgaca gtgggttacct tattctatgg gacctgata 360
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ctttatactc taatcatccc tttattgaat cccctggctc acagtctgag gaacaaagat 480
gtgaaagaag ctttacaaag aacatgtcaa aaaatattca acacattttc t 531

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<210> 1084
 <211> 387
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR185-8

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<400> 1084
cttaaccagc tgtctcaact cacatgttca gacagctttt caagccaact cataatgaat 60

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gtcaccccca tgctgaacct ctttattttat agtctaagga ataaagatgt gaagaaagct 360
gtggaaagac tattagaagg aaaactg 387

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<210> 1085
 <211> 508
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR211-6P

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<400> 1085
atggccaaga ataatgctac caccataaat ggattcatac taatgggctt tagtgaccac 60
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ggaaacttag gcatggctat ttttatccat gtagatgtcc aactccacat cccaatgtac 180
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attctgtgaa aatcagatca attttttttt tcttttatga cctcccacct ctgctgaagc 420
tggcctgtag tgacacaatt aaatgggtga aattatcatt gttttctttg ggaattttgt 480
aattttggcc aattattgag tcccgtc 508

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<210> 1086
 <211> 327
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR211-7P

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<400> 1086
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tcccacctca ctgctgtggc tcttttttgg ggacacttgg ctttatgtac atacggagtg 180
gttcaagaag ataaaggatg gtctgtcttc tacactgtgg tcattcccat gctgaaccca 240
ctaactctca gcctaagaaa caaggatgtc aaggctgcat tcaagaaaat tactggtaaa 300
tgtcagtttt cccacagcac acaacac 327

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<210> 1087
 <211> 582
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR105-9

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<400> 1087
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accgtagtcc tgaagattcc atctggtgag agtcgtcaga aggcattctc cacatgcaca 360

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gccacatca ccatttttgt gctgtttttt ggcagtgtgg ctcttatgta cctgcgcttc 420
tctgtcacct tccaaccact actggagaag gtcattgcac taatgtttgc tgtccttgcc 480
ccatttttca atcctataat ctacagcctg aggaacaagg atatgaaaga tgccattaag 540
aaaatgtttg gttctcaaaa gatactcact gtctctggga gc          582

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<210> 1088
 <211> 493
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR218-6P

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<400> 1088
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gggaacttca ttattatcac catcacaaca ctggatccac agctccagtc tccaatgtat 180
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atTTTTTct ttgcatcttt tgccctggga gagctgggca ctctcacagt gatgtcttat 360
gaccgctatg tggccatctg cctccactg cactatgagg tcataatgag tcccagaaag 420
tgcacttggg ctgtggcagc tgtgtggcta agtgggaggt atctcaggaa cattattcac 480
agcaagtaca ctc          493

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<210> 1089
 <211> 318
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR253-13P

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<400> 1089
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agctacagcc cagaaagaag caaatttacc tcatTTTTT actcagtcct cagtccaacc 240
ctcaaccccc tcatctatac actgaggaac aaggatgtca agcttgccct gagaagactc 300
ttgcctctt tatcaaat          318

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<210> 1090
 <211> 904
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR267-12P

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<400> 1090
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aatgccatta ttatgataat tatcggtatt gagtgtcaac gtcatactcc catgtacttc 180
tttcttagta tgatttccac ttcagagaca gtgtacacat tggtcattgt accaagcatg 240
ctcgccagcc ttgtgggttc aagccaatcc atttcttttg ctggtgtgtg taccagatg 300
ttcgttttta tcactttggc catcaacaac tgctttctgc ttacagcgat gggatatgac 360
cgctatgtag ctatctgcaa ccccttgagg tctcagttta tcatgaacaa gaggggtgtg 420

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cctgttggtg	gtctccctct	tctacctgcc	cgccatttac	atgtacctgc	agccgccatc	720
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ccttaaccct	ttcatctaca	ccttgaggaa	taaggacgtg	aagggagctc	tccgaagact	840
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<210> 1093
 <211> 752
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR202-32P

<400> 1093		
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tggatgggtg	catctgagtg ctgcttgctg gctgccatgg cctatgacag gtatgtggcc 180	
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<210> 1094
 <211> 902
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR115-3P

<400> 1094		
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cttacagaag	ctgcatcttt atgtgcataa agccttcate aagaggagtt gtccctcagca 780	
aggggatggc	tgtcctcaat acctcagttg ccccatctact agacttattc atttacactt 840	
tcagaaataa	acagttgaaa aagagcttca atgacattac cagaaagact gtaattcttc 900	
aa		902

<210> 1095
 <211> 912
 <212> DNA

<213> Mus musculus

<220>

<223> MOR267-13

<400> 1095

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accctctttg tggttttcct aaccatctac attttaactc tggctggcaa catcattata 120
gtgacaatca cacacataga ccaccacctt cacactccca tgtacttctt tctgagcatg 180
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<210> 1096

<211> 480

<212> DNA

<213> Mus musculus

<220>

<223> MOR188-7

<400> 1096

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gaaattgagg cgataatTTt aatcttctca gcttttaatt tgctttcatc tcttcttata 180
gtaattgggt cctatctact tatccttatg gcaattctaa ggattaactc tgctgagggc 240
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atttccatct tttacacca ggttatccct atgttgaatc ccttaacata cagcttgagg 420
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<210> 1097

<211> 346

<212> DNA

<213> Mus musculus

<220>

<223> MOR256-46P

<400> 1097

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tctacctgtg ggtccacact gacagttgtc atcgtctttt atgggacttt gatatttatg 180
tatttgcaac ctacatccac tcaactccatt aacactgtta aagtgacttc ccatctttta 240
caccaggtt atccctatgt tgaatccctt aatatacagc ttgaggaaca aagatgtgaa 300
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<210> 1098
<211> 726
<212> DNA
<213> Mus musculus

<220>
<223> MOR171-41P

<400> 1098
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accatggcag ggaacctggg catgatcaca ctgattgggc tcagttctca tctgcacaca 180
cccatgtact atttcctcag cagtctgtcc ttcatgact tctgtcagtc tacagttgtc 240
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atggctcagc tctacttctt cctcactttt ggtattgcag agtgctacac attagctgca 360
atggcctatg accgatatgt tgctatttgt aaccccttgc ttacaatgt aaccatgtcc 420
tatcagattt acagttctct gatttcaggg gtatatattt ttgctgtgat ctgttcatcc 480
tttaacactg gcttcatgct taggactcag ttctgcaatt tagatgtgat taaccactat 540
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ttgattctat tttttgctac actgaattca tttgtccag tgctgacatc tattacttcc 660
tacatcttca ttattgtcac catcctctcc attcaactca gggagggcaa gttcaaagct 720
tttagt 726

<210> 1099
<211> 588
<212> DNA
<213> Mus musculus

<220>
<223> MOR211-8P

<400> 1099
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cttatcatca tcattgctac tacagttgac cagacactga acacacccat gtacttcttc 180
ctcaggaatc tatccatttt agatatatgc tacgtttctg tcaactgtgcc caatgcttgt 240
atcaactctc tcaactgacca caggaatatt tctgtagggt gatgtgcagc acagatcttt 300
tttgtctata ttgtgtcatg tgtagagatt ctatttctta ccatcatggc ccaggaccgc 360
tatgtggcca ttgtgaaacc tctcctctat cctgtgatca tgaaccactg gttctgtgtt 420
cagatgacac tggcttccct acttagctca cttgtccttg caagtgtgca cactttcaaa 480
actttccagc tgtccttctg tcaactctat gtggctccct agttcttctg tgatattcct 540
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<210> 1100
<211> 532
<212> DNA
<213> Mus musculus

<220>
<223> MOR189-5P

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cctgagctgc aggtcccatt gtttggtgact ttcccatca tctatctgat catactgggtg 120
ggcaacttgg gcatgatcat ccttaccatg gtggattcca ggctgcaaac acccatgtat 180
ttctttctca gacaccttgc tactactatt caacagctgt gggaccaaaa atgttaagaa 240

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at t t t t c t t g t   a g a a c a a a a t   a a a a a a t t a t   t t t a t g a c t g   t g c a t t c c a g   t c a t c t t t c t   300
t c a g t t c a t t   g t t a g t g a a t   t t t t t t a t t c   t g t a t g c a a t   a t t t t a t g a c   t g c t a t g t t g   360
c c a t c t g t a a   a c c a c t c a a c   t a t a a t g t c a   t t a t g t c a c a   a a g a c t a t g t   t g g a t a c c t g   420
g t g g c a g t c c   c a t a c c t t t a   c a g t a t a t t t   g t t g c t c t c a   t a g t c a c c a t   a a a t a t t t t t   480
c c t t c t t c c t   t g c t g t g g c c   c c a a c a t t a t   c a a t c a t t t c   t t t t a t a a t g   g t   532

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<210> 1101
 <211> 645
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR245-19P

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<400> 1101
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c c t c a c t t a c   a c t c t c c c a t   g t a c t t t c t t   t t g g c t a a c c   t c t c t t t c a t   t g a c t t g g g t   120
g t t t c t t c t g   t t t c t t c t c c   a a a g a t g c t t   t a t g a c t t a t   t c a g a a a g c a   c a a a g t c a t c   180
t c c t t t a c a g   g t t g t g t t a c   t c a a a t a t t t   t t c a t t c a t g   t c a t t g g t g g   t g t g g a g a t g   240
g t g c t g c t c a   t a g c c a t g g c   c t t t g a c a g a   t a t g t g g c c a   t a t g t a a g c c   t c t c c a t t a c   300
c t g a c c a t t a   t g a g c c c g a g   g a c a t g c a t c   t t g t t t t c a g   t g a c t g c c t g   g g t g g t t g g c   360
c t t a t g c a t t   c t c t g a t t c a   a c t g g c t t t t   g t a g t a a a c t   t a c c a t t t t g   t g g a c c a a a t   420
g t g t t g g a c a   g c t t c t a c t g   t g a c c t t c c t   c g g t t t a t c a   a a c t a g c c t g   c a t a g a c a c t   480
a a c c a g c t g g   a a t t c a t g g t   c a c a g t c a a c   a g t g g g t t c a   t c t c t g t g g g   t t c c t t c t t c   540
a t a c t g a t c a   t t t c a t a t a t   t g t t a t c a t a   a t c a g t g t g c   a a a a a c a t t c   t t c a g g t g g t   600
t c c t c t a a a g   c c c t g t c t a c   t c t t t c t g c t   c a c a t c a c t g   t a g t g   645

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<210> 1102
 <211> 474
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR0-14P

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<400> 1102
a t g c c a a g c a   g a t c t g t g c t   g g g a g a t g g a   a a c c a c a c c t   c t g t g g c c a t   g t t t g t c c t c   60
c t g g g g c t c t   t g g a c c a a g c   t g a g c t g c a g   c t c a t c c t t t   t t c c t g t c t t   c c t a g g g a c c   120
t a c c t c a t t a   c t c t g a t t t g   g a a c c t g g g c   c t t a t c a t c c   t c a t c a g a a t   g g a c t c t c a c   180
c t a c a a a c a c   c c a t g t a c t t   t t t t c t c a g t   t t c c t g t c a t   t t a t a g a t a t   a t g c t a t t c t   240
t c t t c t a t c a   g c c c a a g g a t   g c t t t c a g a c   t t c t t a a a a g   c a g a g a a a a c   a a t t t c c t t c   300
a t t g c t t g t g   c c a c t c a g t a   t t t t g t t a t g   g c c t g g a t g g   g t g c a t c t g a   g t g c t g c t t g   360
c t g g c t g c c a   t g g c c t a t g a   c a g g t a t g t g   g c c a t t g g t a   g c c c t c t g c a   g t a c t c a g t c   420
a t c a t g g c t c   c c a g t c t t t g   c t g g a g g a t g   g t t g c t g g t g   t c t a c c g g a g   t g g a   474

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<210> 1103
 <211> 417
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR0-15P

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<400> 1103
a t g c c a a g c a   t a t c t g t g c t   g g g a g a t g g a   a a c c a c a c c t   c t g t g g c c a t   g t t t g t c c t c   60
c t g g g g c t c t   t g g a c c a a g c   t g a g c t g c a g   c t c a t c c t t t   t t c c t g t c t t   t c t a g g g a c a   120
t a c c t c a t t a   c t c t g a t t t g   g a a c c t g g g c   c t t a t c a t c c   t c a t c a g a a t   g g a c t c t c a c   180

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ctacaaacac ccatgtactt ttttctcagt ttctgtcat ttatagatat atgctattct 240
tcttctatca gcccaaggat gctttcagac ttcttaaaaa cagagaaaac aatttccttc 300
attgcttggtg ccactcagaa ttttggtttg gattggatgg gtacatctga gtgctgcttg 360
ctgactgcc a tggcctatga caggtatgtg gccattggta gccctctgca gtactca 417

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<210> 1104
 <211> 473
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR190-4P

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<400> 1104
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gacctacagc cctcattgtt tgggttggtt cttctcatct atctgatata actggtggga 120
aacttgggca tgattattct tacaatgggtg gactccaggc tgcaaacacc tatgtatttc 180
tttctcagac aactcgtac tactgacctt gggtattcaa cagctgtggg acccaaatg 240
ttaacaaatt ttattgttga tcaaaataga atattcttta acctttgtac tacacagtta 300
gccttctttc ttctgttcat tgcttgtgaa ctttttattc tgtctgcaat gtcctatgac 360
cgctatgtgg ctatctgtaa gcctctgttc tatatggta tcatgtcaaa aagactatgc 420
tgggtgcttg tagtaatgcc cttatgtcta ctgtacaatt gtggctgctt tta 473

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<210> 1105
 <211> 582
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR106-10

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<400> 1105
ttcttgccag tcatggcatt tgatcgatac cttgccatct gtaggcact acattatcct 60
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ctctggttcc ctgtacccat catcatcatc tccagatgt cttctgtgtg gtccagaatt 180
atagaccact tctgtgtga ccaggccct cttttggccc ttgcctgttc cagagtccca 240
ttgatagagg ttttctgggtc cattataatg tctatgctcc tgggtattcc tttcctcttc 300
atcatgggaa cttacatatt ggtcctaaga gctgtgttta gacttccttc aagagaagga 360
caaaaaaagg ctttctccac ttgcgggtct catctcacag tagtttcaact cttttattgc 420
tcagtgatga taatgtatct gagcccaaca tctgagcatg aggccggaat gcagaagctt 480
gtaactctat tttattctgt gggtaacca ctgcttaatc ctatgatata cagtctgagg 540
aacaagata tgaaaaatgc cctacagaag attttgagaa ca 582

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<210> 1106
 <211> 537
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR182-10P

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<400> 1106
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tttctacatt cagcaattca tgtgggcttg ttagtgagat taaatttctg caagtccaac 180
atcatacact atttctactg tgaaatcttg cagttattca aaatttctg cattaatcct 240
acaatgaacg tccttctggt tttaatattt tcaactttga tacaaggttt gacttttatg 300

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actttttattg tctcctactc ctctgtcatt tttcccatcc tgaaaacaaa gtctgagagg 360
ggcagacgca aagccttctc cacctgcagt gtcacctgc tctccgtgtc tctgttctat 420
ggcacacttt tccatcatgta tgtgcatcct ggggtctggat caggggaaga taagggcaga 480
atgtattctt tattttacac aataataatt ctatttctaa atcctttttt tattacg 537

<210> 1107
<211> 793
<212> DNA
<213> Mus musculus

<220>
<223> MOR259-7P

<400> 1107
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tccttttctg gctgctgcct gcagatgtat gtgttcgggtg ccttgggtat gactgagtgc 180
accttctttg ttgtgatggc ttatcacccg tatgtggcca ttgctagcc attgccctat 240
actgtcatcc tcaactgggg cctgtgcatg cggttggcag cagggctctg gatctgtggt 300
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agggtcaatc actacttgtg tgaaggctct tcagtgcgta gcttgggttg catggatact 420
cactttgtag agatgggtgga cttgggtcttg agtgtctttt tggttgttat tccaatttcc 480
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gatctcactc ttttacaatg cttttacacc cttgctcaac cctgtggcct acagtctgag 720
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accaggatgg tga 793

<210> 1108
<211> 676
<212> DNA
<213> Mus musculus

<220>
<223> MOR203-7P

<400> 1108
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cacaagtctt ggcacattct gttcataata tttctaata tctatgttgt cacactcatg 120
ggtaacattg gaatgatcgt actcatcaaa attgattctt ctctccacac tcccatgtac 180
tttttctctac aacatctagc ctttgttgat ctctgctata cctcagctat tactcccaag 240
atgttaaaaa acttcacaga gacaaaagct tccatatctt tcataggatg tatgttacag 300
ctactagcct atgggtacttt tgcaaccatc gactgtttca tccatagctg tatggctgtg 360
gaccgctacg tggccatctg taaccattg cgctatccca tagtcatgtc ccagagactg 420
tgcaattctgc tgctgggtggg ttcttatacc atgggcttcc taaatgcttc tgtaaacaca 480
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gagccaccca ttcttgccct atcatgtctc agtattgact tcagtatcat gttactgaca 600
gtttttgtgg ggttcaacct agttgagtac tgtgctgggt gtcactcttt cttacatata 660
tatcttgtct gccatc 676

<210> 1109
<211> 465
<212> DNA
<213> Mus musculus

<220>

<223> MOR111-11

<400> 1109

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ttttactttg catttattac tctgctgttc aactggctc tagtgatctt gtcatacatc 180
tgcacatca acaccattct gaggttccca tctgccagtc agaggaaaaa ggctttctcc 240
aactgttctc ctacatgat tgtcatctcc atctcttatg gcagctgcat tttcatgtat 300
gtcaaacctt ctgcaaatga aagagcatca ctgaccaaag ggggtggctct tctcaatact 360
tcaattgctc ccatgctgaa cccttttatt tacacctga gaaatcaaca agtaaaacaa 420
gccttcaagg atttgattaa taaactaatg tttaatagaa acaaa 465
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<210> 1110

<211> 658

<212> DNA

<213> Mus musculus

<220>

<223> MOR0-16P

<400> 1110

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aagctagact ctgagctgcc tttttcctct acttttatag gaacttatgc actcaactctg 120
gtgggaattt gggcagggtc acattgaatc agtaaagttt ccaactgcaca aacctatgta 180
ctacttcttc agcaatatat actccattaa tctctgccat cccatgggtg ttaacccaaa 240
aatgtttggg aaatttgtga tagaaaacaa cccatctcc caccctcaat acatgactca 300
gctctatttc atcctcagtt ttgtgactgc aaaatgccac ttgttagcag caatttcata 360
tgaacctcat gttgctatat ataatccttt gggtttacaat gtgaccatat tctctcagat 420
ttacagttcc ttgatttcag aagtacatat tactgggtgta gtttgtatat cagggtcacac 480
aggcatcaag atctctgtat agcttggtaa cataggcgtg atcaaatacc atttctatgt 540
tcttacctga caaaactccc ccaacttatgt taaagttctt gtttaatgat tttactatt 600
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<210> 1111

<211> 373

<212> DNA

<213> Mus musculus

<220>

<223> MOR185-9P

<400> 1111

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ggtaacctag gactgattat gctaatacaa gtcagccctc agcttcacac acccatgtac 180
tttttcctct gccacttggc attcgttgat tttctgttat acatcctcag tcaactccaa 240
cacaattata aactttcttc gagaaatcaa aagtataacc ttatatgcat gtgccactca 300
ggtttgcctg ttcatcacat ttgctgtttg tgaaatgtac ttgctgtcag taatggctta 360
tgacagatat gtg 373
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<210> 1112

<211> 952

<212> DNA

<213> Mus musculus

<220>

<223> MOR12-4

<400> 1112
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atcttccttg ggaatggcac catccttcat gtcacagaa cagatgcttc actgcatcag 180
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atgtctgtgg accgctttgt ggccatctac agcccactac gttatacaac tatcttgaca 420
ctgcctcgca tctttggcac aggagctgtc attggactga aaagtgttat actaatggcc 480
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tatggacttt tcattgtgac ctccactttt gggctagatt cattgctcat tgtggtgtcc 660
tatgggctta tactccatac tgtacttggg attgccactg gagatgggag gaggaaagca 720
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ttgtctatgg tacatcgctt tgcacatcat gtatctctc tgcttcaaac catgatggcc 840
aatgcttata tcttcttccc cccaagtcac caacccatt gtctacagca tcaaaaccaa 900
ggagatccgt cgtggcattg ttogaatgct gtcagagaag aggttcagag tt 952

<210> 1113
<211> 966
<212> DNA
<213> Mus musculus

<220>
<223> MOR18-3

<400> 1113
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cccttatgct ttatgtatgc agtggccaca ctgggcaacc tggccatcat cttcatcatt 180
cgtgtggaga ggcgcttgca tgagcccatg tacctcttcc tcgccatgct ttctaccatt 240
gacttgggtc tctcttctgt taccatgccc aaaatggcca gcttgttctt aactggcatt 300
caggagatcg agttcaacat ttgcttgacc caaatgttcc ttattcatgc cctatctgcc 360
atggagtctg ctgtcctgct ggccatggct tttagccgt ttgtggccat ttgctaccog 420
ttacgccatg cttctgtgct cacagggact actgtcgcca agattggcct agcttcccta 480
gctaggggat ttgtattctt ctttccactg cttttccttt tgaagcgtct gtcatactgc 540
caaacacata ctgtcacaca ctcttctgt ctccatcaag acattatgaa gctgtcctgt 600
actgatacca aagttaatgt cgtttatggg ctcttcatca tcctatcagt catgggtgtg 660
gactccctct tcattggctt ttctatata ctcatcctga gggctgtgtt ggagctttca 720
actcgagggg cagcactcaa ggctttcaac acctgcactc cccacctctg tgctgtcctg 780
gtcttctatg taccctcat tggtctatca gtggtacata ggctgggtgg tcccacatct 840
ttggtccatg tgattatggc taatatctat ctctgctac cacctgtagt caatccatt 900
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ggcagg 966

<210> 1114
<211> 1041
<212> DNA
<213> Mus musculus

<220>
<223> MOR14-9

<400> 1114
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tctcctcca gcttctctt tacggccttc cctggattag aacttgctca cgtctggatc 120

ttagagaact	tcttctctac	aagcaaagca	atttccttct	tgggatgcat	aactcagctt	300
catttcttcc	acttcctggg	tagcacagaa	gccctgctgc	tgacagtcac	ggcatttgac	360
cgttttgtgg	ctatctgcag	accactgcac	tacctgccac	ttatgaacag	tcagatctgc	420
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ctcacaggga	cagttgccat	tggcctcttt	ttcttgacat	ttctctctta	tttctacatt	660
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<212> DNA
<213> Mus musculus

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<212> DNA
<213> Mus musculus

<220>

<223> MOR283-11

<400> 1127

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<212> DNA

<213> Mus musculus

<220>

<223> MOR103-16

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<223> MOR176-2

<400> 1129

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<223> MOR135-26

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<212> DNA
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<223> MOR135-28

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<223> MOR266-8

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<223> MOR266-9

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<212> DNA

<213> Mus musculus

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<223> MOR228-2

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<212> DNA

<213> Mus musculus

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<223> MOR228-3

<400> 1141

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<210> 1142

<211> 927

<212> DNA

<213> Mus musculus

<220>

<223> MOR232-9

<400> 1142

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 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR251-5

<400> 1143		
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 <213> Mus musculus

<220>
 <223> MOR266-10

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 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR204-32

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<210> 1146
 <211> 929
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR225-11

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cccacttaac	cgttgtagtc ctgtttttttg cacctgcact attcatttac atcagaccag 780

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 <211> 970
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR198-4

<400> 1147						
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 <211> 936
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR143-1

<400> 1148						
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<211> 916
<212> DNA
<213> Mus musculus

<220>
<223> MOR248-15

<400> 1149
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<210> 1150
<211> 831
<212> DNA
<213> Mus musculus

<220>
<223> MOR248-16

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<210> 1151
<211> 885
<212> DNA
<213> Mus musculus

<220>

<221> variation
<222> (44)...(63)
<223> Any nucleotide A, C, G or T

<220>
<223> MOR248-17P

<400> 1151
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<210> 1152
<211> 939
<212> DNA
<213> Mus musculus

<220>
<223> MOR193-1

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<210> 1153
<211> 948
<212> DNA
<213> Mus musculus

<220>
<223> MOR284-2

<400> 1153

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<211> 945

<212> DNA

<213> Mus musculus

<220>

<223> MOR256-47

<400> 1154

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<210> 1155

<211> 942

<212> DNA

<213> Mus musculus

<220>

<223> MOR130-1

<400> 1155

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<213> Mus musculus

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<223> MOR128-1

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<213> Mus musculus

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<212> DNA

<213> Mus musculus

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<223> MOR153-3

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<213> Mus musculus

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<223> MOR259-9

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<212> DNA

<213> Mus musculus

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<223> MOR137-2

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<212> DNA

<213> Mus musculus

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<223> MOR42-3

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<212> DNA

<213> Mus musculus

<220>

<223> MOR224-9

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<211> 942

<212> DNA

<213> Mus musculus

<220>

<223> MOR13-6

<400> 1172

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942

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<212> DNA

<213> Mus musculus

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<223> MOR34-10P

<400> 1173

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<211> 951

<212> DNA

<213> Mus musculus

<220>

<223> MOR249-2

<400> 1174

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<211> 990

<212> DNA
<213> Mus musculus

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<223> MOR263-9

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<212> DNA
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<223> MOR171-44

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<223> MOR25-1

<400> 1177

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<212> DNA

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<223> MOR108-4

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 <211> 914
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR233-19

<221> variation
 <222> (36)...(73)
 <223> Any nucleotide A, C, G or T

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 <213> Mus musculus

<220>
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 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR183-8

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<210> 1184
 <211> 927
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR183-9

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atgttggttg	acttgttatc	caagaacaag	atgatatac	ttccgagtg	catgatacaa	300
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 <211> 978
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR264-19

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<210> 1186
 <211> 855
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR204-33P

<400> 1186						
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<210> 1187
 <211> 939
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR110-9

<400> 1187						
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939

<210> 1188

<211> 972

<212> DNA

<213> Mus musculus

<220>

<223> MOR246-2

<400> 1188

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<210> 1189

<211> 927

<212> DNA

<213> Mus musculus

<220>

<223> MOR115-4

<400> 1189

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<211> 963
<212> DNA
<213> Mus musculus

<220>
<223> MOR246-3

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ctg 963

<210> 1191
<211> 963
<212> DNA
<213> Mus musculus

<220>
<223> MOR246-4

<400> 1191
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atg 963

<210> 1192
<211> 948
<212> DNA
<213> Mus musculus

<220>

<223> MOR278-2

<400> 1192

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<211> 948

<212> DNA

<213> Mus musculus

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<223> MOR258-5

<400> 1193

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<212> DNA

<213> Mus musculus

<220>

<223> MOR200-1

<400> 1194

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 <212> DNA
 <213> Mus musculus

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 <223> MOR213-9

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<210> 1196
 <211> 942
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR24-3

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 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR161-6

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 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR40-12

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<210> 1199

<211> 960

<212> DNA

<213> Mus musculus

<220>

<223> MOR40-13

<400> 1199

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<210> 1200

<211> 942

<212> DNA

<213> Mus musculus

<220>

<223> MOR204-34

<400> 1200

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<210> 1201
<211> 942
<212> DNA
<213> Mus musculus

<220>
<223> MOR204-35

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<211> 924
<212> DNA
<213> Mus musculus

<220>
<223> MOR179-5

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<210> 1203
<211> 948

<212> DNA
<213> Mus musculus

<220>
<223> MOR259-10

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<210> 1204
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<212> DNA
<213> Mus musculus

<220>
<221> variation
<222> (867)...(886)
<223> Any nucleotide A, C, G or T

<220>
<223> MOR142-1

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<210> 1205

<211> 954
<212> DNA
<213> Mus musculus

<220>
<221> variation
<222> (30)...(49)
<223> Any nucleotide A, C, G or T

<220>
<223> MOR171-45

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<223> MOR204-36

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<223> MOR268-5

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<223> MOR268-6

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<212> DNA

<213> Mus musculus

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<223> MOR106-12

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<212> DNA

<213> Mus musculus

<220>

<223> MOR243-1

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<213> Mus musculus

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<223> MOR261-11

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<220>

<223> MOR261-12

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<212> DNA

<213> Mus musculus

<220>

<223> MOR174-16

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<212> DNA

<213> Mus musculus

<220>

<223> MOR177-14

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 <212> DNA
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 <212> DNA
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<212> DNA

<213> Mus musculus

<220>

<223> MOR219-4

<400> 1234

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<223> MOR224-11

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<223> MOR283-12P

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<212> DNA

<213> Mus musculus

<220>

<223> MOR197-1

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<213> Mus musculus

<220>

<223> MOR175-9

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<212> DNA

<213> Mus musculus

<220>

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 <213> Mus musculus

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<212> DNA

<213> Mus musculus

<220>

<223> MOR174-19

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<223> MOR149-3

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<220>
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<212> DNA
<213> Mus musculus

<220>
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<212> DNA
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<220>

<223> MOR208-5

<400> 1259

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<212> DNA

<213> Mus musculus

<220>

<223> MOR256-49

<400> 1260

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<212> DNA

<213> Mus musculus

<220>

<223> MOR280-1

<400> 1261

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<212> DNA

<213> Mus musculus

<220>

<223> MOR256-50

<400> 1262

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<212> DNA

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<220>

<223> MOR217-1

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 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR245-21

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 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR245-22

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 <212> DNA
 <213> Mus musculus

<220>
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 <212> DNA
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<220>
 <223> MOR261-13

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 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR171-46

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<210> 1270
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<212> DNA
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<220>
<223> MOR223-9

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<210> 1271
<211> 933
<212> DNA
<213> Mus musculus

<220>
<223> MOR256-51

<400> 1271
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<212> DNA
<213> Mus musculus

<220>

<223> MOR162-12

<400> 1272

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<210> 1273

<211> 970

<212> DNA

<213> Mus musculus

<220>

<223> MOR106-13P

<400> 1273

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<210> 1274

<211> 967

<212> DNA

<213> Mus musculus

<220>

<223> MOR128-3

<400> 1274

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ggaaacctgc	tcatcatcct	agccatcata	tcagactctc	acctgcacac	acccatgtac	180
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<210> 1275
 <211> 967
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR124-1

<400> 1275						
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<210> 1276
 <211> 945
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR267-16

<400> 1276						
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<210> 1277

<211> 693

<212> DNA

<213> Mus musculus

<220>

<223> MOR182-11P

<400> 1277

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<210> 1278

<211> 845

<212> DNA

<213> Mus musculus

<220>

<221> variation

<222> (460)...(621)

<223> Any nucleotide A, C, G or T

<220>

<223> MOR231-19P

<400> 1278

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gacctgtttc tagttttcct attgataaat ccatcactgt aatttatacc attgtcactc 720
ccatgctgaa tcctttaata tatactttga gaaattcaga gatgaaaaat tctatggaaa 780
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<210> 1279
 <211> 793
 <212> DNA
 <213> Mus musculus

<220>
 <221> variation
 <222> (323)...(379)
 <223> Any nucleotide A, C, G or T

<220>
 <223> MOR15-2P

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 <211> 292
 <212> DNA
 <213> Mus musculus

<220>
 <223> MOR256-52P

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ggcaacttgg gcatgatcat ccttaccatg gtggattccg ggctgcaaac acccatgtac 180
ttctttctca gacaccttgc tactactgat cttgggttatt caacagctgt gggacaaaa 240
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<210> 1281
 <211> 489
 <212> DNA
 <213> Mus musculus

<220>

<223> MOR202-38

<400> 1281

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gcatctgtgt tttatacaat ggtcattcct atgctgaacc ctgtggtcta cagcctgagg 420
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<210> 1282

<211> 376

<212> DNA

<213> Mus musculus

<220>

<223> MOR203-8P

<400> 1282

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<210> 1283

<211> 793

<212> DNA

<213> Mus musculus

<220>

<223> MOR220-4P

<400> 1283

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<210> 1284

<211> 589
<212> DNA
<213> Mus musculus

<220>
<223> MOR136-18P

<400> 1284
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 <213> Mus musculus

<220>
 <223> MOR286-3P

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 <223> MOR245-24P

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 <213> Mus musculus

<220>
 <223> MOR256-53P

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<212> DNA
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<213> Mus musculus

<220>
<223> MOR150-3

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<212> DNA
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<220>

<223> MOR256-54P

<400> 1293

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<223> MOR267-17

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<212> DNA

<213> Mus musculus

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<223> MOR15-3

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Tyr Ile Ser Val Leu Leu Gly Asn Gly Thr Leu Leu Tyr Leu Ile Lys
             35             40             45
Asp Asp His Asn Leu His Glu Pro Met Tyr Tyr Phe Leu Ala Met Leu
             50             55             60

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Asn	Arg	Ile	Tyr	Pro	Val	Val	Leu	Val	Ala	Leu	Thr	Phe	Phe	Leu	Asp
		195					200					205			
Ala	Leu	Ile	Ile	Val	Phe	Ser	Tyr	Val	Leu	Ile	Leu	Lys	Thr	Val	Met
	210					215					220				
Gly	Ile	Ala	Ser	Gly	Glu	Glu	Arg	Ala	Lys	Ala	Leu	Asn	Thr	Cys	Val
225					230					235					240
Ser	His	Ile	Ser	Cys	Val	Leu	Val	Phe	Tyr	Ile	Thr	Val	Ile	Gly	Leu
			245						250					255	
Thr	Phe	Ile	His	Arg	Phe	Gly	Lys	Asn	Ala	Pro	His	Val	Val	His	Ile
			260					265					270		
Thr	Met	Ser	Tyr	Val	Tyr	Phe	Leu	Phe	Pro	Pro	Phe	Met	Asn	Pro	Ile
		275					280					285			
Ile	Tyr	Ser	Ile	Lys	Thr	Lys	Gln	Ile	Gln	Arg	Ser	Val	Leu	His	Leu
	290					295					300				
Leu	Ser	Val													
305															

<210> 1298
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1298

Met	Pro	Ser	Met	Trp	Leu	Asn	Ile	Ser	Ser	Ser	Pro	Phe	Leu	Leu	Thr
1				5					10					15	
Gly	Phe	Pro	Gly	Leu	Glu	Lys	Ala	His	His	Leu	Ile	Ser	Leu	Pro	Leu
			20					25					30		
Leu	Met	Ala	Tyr	Ile	Ser	Ile	Leu	Leu	Gly	Asn	Gly	Thr	Leu	Leu	Phe
		35					40					45			
Leu	Ile	Lys	Asp	Asp	His	Asn	Leu	His	Glu	Pro	Met	Tyr	Tyr	Phe	Leu
	50					55					60				
Gly	Met	Leu	Ala	Ala	Thr	Asp	Leu	Gly	Val	Thr	Leu	Thr	Thr	Met	Pro
65					70					75					80
Thr	Val	Leu	Ser	Val	Leu	Trp	Leu	Asn	His	Arg	Glu	Ile	Gly	His	Gly
			85						90					95	
Ala	Cys	Phe	Ser	Gln	Ala	Tyr	Phe	Ile	His	Thr	Leu	Ser	Ile	Val	Glu
			100					105					110		
Ser	Gly	Val	Leu	Leu	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Ile	Ala	Ile	Arg
		115					120					125			
Asn	Pro	Leu	Arg	Tyr	Thr	Thr	Ile	Leu	Thr	Asp	Thr	Lys	Val	Ile	Lys

130		135		140	
Ile Gly Ile Gly Leu Val Met Arg Ala Gly Leu Ser Ile Met Pro Ile					
145		150		155	160
Ile Ile Arg Leu His Trp Phe Pro Tyr Cys Arg Ser His Val Leu Ser					
	165		170		175
His Ala Phe Cys Leu His Gln Asp Val Ile Lys Leu Ala Cys Ala Asp					
	180		185		190
Ile Thr Phe Asn Arg Leu Tyr Pro Val Val Val Val Phe Ala Met Val					
	195		200		205
Leu Leu Asp Phe Leu Ile Ile Phe Phe Ser Tyr Val Leu Ile Leu Lys					
	210		215		220
Thr Val Met Gly Ile Ala Ser Thr Asp Glu Arg Ala Lys Ala Leu Asn					
225		230		235	240
Thr Cys Val Ser His Ile Cys Cys Ile Leu Val Phe Tyr Val Thr Val					
	245		250		255
Val Gly Leu Thr Phe Ile His Arg Phe Gly Lys Asn Val Pro His Val					
	260		265		270
Val His Ile Thr Met Ser Tyr Ile Tyr Phe Leu Phe Pro Pro Phe Met					
	275		280		285
Asn Pro Val Ile Tyr Ser Ile Lys Thr Lys Gln Ile Gln Ser Gly Leu					
	290		295		300
Leu Arg Leu Phe Ser Leu Pro Cys Ser Lys Thr					
305		310		315	

<210> 1299
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1299

Met Trp Pro Asn Ser Ser Asp Ala Pro Phe Leu Leu Thr Gly Phe Leu	
1	5
Gly Leu Glu Met Ile His His Trp Ile Ser Ile Pro Phe Phe Val Ile	
	20
Tyr Phe Ser Ile Ile Val Gly Asn Gly Thr Leu Leu Phe Ile Ile Trp	
	35
Ser Asp His Ser Leu His Glu Pro Met Tyr Tyr Phe Leu Ala Val Leu	
	50
Ala Ser Met Asp Leu Gly Met Thr Leu Thr Thr Met Pro Thr Val Leu	
65	70
Gly Val Leu Val Leu Asn Gln Arg Glu Ile Val His Gly Ala Cys Phe	
	85
Ile Gln Ser Tyr Phe Ile His Ser Leu Ala Ile Val Glu Ser Gly Val	
	100
Leu Leu Ala Met Ser Tyr Asp Arg Phe Val Ala Ile Cys Thr Pro Leu	
	115
His Tyr Asn Ser Ile Leu Thr Asn Ser Arg Val Met Lys Met Ala Leu	
	130
Gly Ala Leu Leu Arg Gly Phe Val Ser Ile Val Pro Pro Ile Met Pro	
145	150
Leu Phe Trp Phe Pro Tyr Cys His Ser His Val Leu Ser His Ala Phe	
	165
Cys Leu His Gln Asp Val Met Lys Leu Ala Cys Ala Asp Ile Thr Phe	
	180
Asn Leu Ile Tyr Pro Val Val Leu Val Ala Leu Thr Phe Phe Leu Asp	
	195
	200
	205

Ala	Leu	Ile	Ile	Ile	Phe	Ser	Tyr	Val	Leu	Ile	Leu	Lys	Lys	Val	Met
210						215					220				
Gly	Ile	Ala	Ser	Gly	Glu	Glu	Arg	Lys	Lys	Ser	Leu	Asn	Thr	Cys	Val
225					230					235					240
Ser	His	Ile	Ser	Cys	Val	Leu	Val	Phe	Tyr	Ile	Thr	Val	Ile	Gly	Leu
				245					250					255	
Thr	Phe	Ile	His	Arg	Phe	Gly	Lys	Asn	Ala	Pro	His	Val	Val	His	Ile
				260				265						270	
Thr	Met	Ser	Tyr	Val	Tyr	Phe	Leu	Phe	Pro	Pro	Phe	Met	Asn	Pro	Ile
		275					280					285			
Ile	Tyr	Ser	Ile	Lys	Thr	Lys	Gln	Ile	Gln	Arg	Ser	Ile	Leu	Arg	Leu
	290					295					300				
Leu	Ser	Lys	His	Ser	Arg	Thr									
305						310									

<210> 1300
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1300

Met	Pro	Val	Ile	Trp	Leu	Asn	Thr	Ser	Thr	Tyr	Pro	Phe	Leu	Leu	Thr
1				5					10					15	
Gly	Phe	Pro	Gly	Leu	Glu	Lys	Ser	His	Leu	Ile	Ser	Leu	Pro	Leu	
			20					25				30			
Leu	Met	Ala	Tyr	Ile	Phe	Ile	Leu	Gly	Asn	Gly	Thr	Leu	Leu	Phe	
		35					40				45				
Leu	Ile	Lys	Asp	Asp	His	Asn	Leu	His	Glu	Pro	Met	Tyr	Tyr	Phe	Leu
	50					55				60					
Gly	Met	Leu	Ala	Ala	Thr	Asp	Leu	Gly	Val	Thr	Leu	Thr	Thr	Met	Pro
65					70					75					80
Thr	Val	Leu	Gly	Val	Leu	Trp	Leu	Asn	His	Arg	Glu	Ile	Gly	His	Gly
				85					90					95	
Ala	Cys	Phe	Ser	Gln	Ala	Tyr	Phe	Ile	His	Ser	Phe	Ser	Ile	Val	Glu
			100					105					110		
Ser	Gly	Val	Leu	Leu	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Ile	Ala	Ile	Arg
		115					120					125			
Asn	Pro	Leu	Arg	Tyr	Thr	Thr	Ile	Leu	Thr	Asp	Ile	Lys	Val	Ile	Lys
	130					135					140				
Ile	Gly	Ile	Gly	Val	Val	Met	Arg	Ala	Gly	Leu	Ser	Ile	Met	Pro	Ile
145					150					155					160
Ile	Ile	Arg	Leu	His	Trp	Phe	Pro	Tyr	Cys	Arg	Ser	His	Val	Leu	Ser
			165						170					175	
His	Ala	Phe	Cys	Leu	His	Gln	Asp	Val	Ile	Lys	Leu	Ala	Cys	Ala	Asp
			180					185					190		
Ile	Thr	Phe	Asn	Arg	Leu	Tyr	Pro	Ile	Val	Val	Val	Phe	Cys	Met	Gly
		195					200					205			
Leu	Leu	Asp	Phe	Leu	Ile	Ile	Cys	Phe	Ser	Tyr	Ile	Leu	Ile	Leu	Lys
	210					215					220				
Thr	Val	Met	Gly	Ile	Ala	Ser	Thr	Asp	Glu	Arg	Ala	Lys	Ala	Leu	Asn
225					230					235					240
Thr	Cys	Val	Ser	His	Ile	Cys	Cys	Ile	Leu	Val	Phe	Tyr	Val	Thr	Val
				245					250					255	
Val	Gly	Leu	Thr	Phe	Ile	His	Arg	Phe	Gly	Lys	Asn	Ile	Pro	His	Ile
			260					265					270		
Val	His	Ile	Thr	Met	Ser	Tyr	Ile	Cys	Phe	Leu	Phe	Pro	Pro	Phe	Met

	275		280		285										
Asn	Pro	Val	Ile	Phe	Ser	Ile	Lys	Thr	Lys	Gln	Ile	Gln	Ser	Gly	Leu
	290		295		300										
Leu	Arg	Leu	Phe	Ser	Leu	Pro	Tyr	Ser	Arg	Ile	Arg	Leu			
305					310					315					

<210> 1301
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1301

Met	Gly	Gly	Glu	Ala	His	Asn	Ser	Ser	Gly	Leu	Pro	Pro	Phe	Ile	Leu
1				5					10					15	
Thr	Gly	Leu	Pro	Gly	Met	Glu	Thr	Ser	Gln	His	Trp	Leu	Phe	Leu	Leu
			20					25					30		
Leu	Gly	Val	Leu	Tyr	Ser	Val	Ser	Ile	Val	Gly	Asn	Ala	Leu	Ile	Leu
		35					40					45			
Phe	Ile	Ile	Lys	Glu	Glu	Glu	Ser	Leu	His	Gln	Pro	Met	Tyr	Tyr	Phe
	50					55					60				
Leu	Ser	Leu	Leu	Ser	Gly	Asn	Asp	Leu	Gly	Val	Ser	Phe	Ser	Thr	Leu
65					70					75					80
Pro	Thr	Val	Leu	Gly	Val	Phe	Cys	Phe	His	Leu	Arg	Glu	Ile	Ser	Phe
			85						90					95	
Asn	Ser	Cys	Met	Ser	Gln	Met	Phe	Phe	Ile	His	Leu	Phe	Ser	Phe	Met
			100					105					110		
Glu	Ser	Gly	Ile	Leu	Leu	Ala	Met	Ser	Phe	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Asn	Pro	Leu	Arg	Tyr	Ser	Thr	Val	Leu	Thr	Asp	Ala	Arg	Val	Met
	130					135					140				
Trp	Met	Gly	Val	Cys	Val	Phe	Leu	Arg	Ser	Phe	Cys	Met	Ile	Phe	Pro
145					150					155					160
Leu	Pro	Phe	Leu	Leu	Lys	Arg	Leu	Pro	Phe	Cys	Lys	Ala	Asn	Val	Leu
			165						170					175	
Ser	His	Ala	Tyr	Cys	Leu	His	Pro	Asp	Leu	Ile	Arg	Leu	Pro	Cys	Gly
		180						185					190		
Asp	Thr	Ser	Ile	Asn	Asn	Ile	Phe	Gly	Leu	Ser	Ile	Val	Ile	Ser	Thr
	195					200						205			
Phe	Gly	Leu	Asp	Ser	Ala	Leu	Ile	Phe	Leu	Ser	Tyr	Val	Leu	Ile	Leu
	210					215					220				
Arg	Ser	Val	Leu	Ala	Ile	Ala	Ser	Arg	Glu	Glu	Arg	Met	Lys	Thr	Leu
225					230					235					240
Asn	Thr	Cys	Val	Ser	His	Leu	Cys	Ala	Val	Leu	Ile	Phe	Tyr	Val	Pro
			245						250					255	
Lys	Val	Gly	Val	Ser	Met	Phe	Ala	Arg	Tyr	Gly	Arg	His	Ala	Pro	His
		260						265					270		
Tyr	Val	His	Thr	Leu	Leu	Ser	Leu	Ile	Tyr	Leu	Phe	Val	Pro	Pro	Met
		275					280					285			
Leu	Asn	Pro	Val	Ile	Tyr	Ser	Ile	Lys	Thr	Lys	Glu	Ile	Arg	Arg	Arg
	290					295					300				
Phe	Cys	Lys	Ile	Leu	Leu	Gly	Asn	Lys	Phe						
305					310										

<210> 1302
 <211> 321

<212> PRT

<213> Mus musculus

<400> 1302

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Met Leu Arg Pro Ser Ser Met Ser Glu Val Thr Asn Thr Thr His Gly
 1          5          10          15
Pro Phe Tyr Phe Ile Leu Thr Gly Ile Pro Gly Phe Glu Asp Ile His
 20          25          30
Leu Trp Ile Ser Ile Pro Phe Phe Cys Leu Tyr Thr Ile Ser Ile Met
 35          40          45
Gly Asn Thr Thr Ile Leu Thr Val Ile Arg Thr Glu Pro Ser Leu His
 50          55          60
Glu Pro Met Tyr Leu Phe Leu Ser Met Leu Ala Leu Thr Asp Leu Gly
 65          70          75          80
Leu Thr Leu Thr Thr Leu Pro Thr Val Met Gln Val Leu Trp Phe Asn
 85          90          95
Ile Arg Glu Ile Ser Phe Glu Ala Cys Phe Ala Gln Val Phe Phe Leu
100          105          110
His Gly Phe Ser Phe Met Glu Ser Ser Val Leu Leu Ala Met Ser Phe
115          120          125
Asp Arg Tyr Val Ala Ile Cys Arg Pro Leu His Tyr Ala Ser Ile Leu
130          135          140
Thr Ser Glu Val Ile Ala Arg Ile Gly Leu Ala Ile Ile Cys Arg Cys
145          150          155          160
Val Leu Ala Val Leu Pro Ser Leu Phe Leu Leu Lys Arg Leu Pro Phe
165          170          175
Cys His Ser His Leu Leu Ser His Ser Tyr Cys Leu His Gln Asp Met
180          185          190
Ile His Leu Val Cys Ala Asp Ile Arg Val Asn Arg Trp Tyr Gly Phe
195          200          205
Ala Leu Val Leu Leu Ile Ile Val Leu Asp Pro Leu Leu Ile Val Leu
210          215          220
Ser Tyr Ala Leu Ile Leu Lys Ser Val Leu Asn Thr Ala Thr Trp Thr
225          230          235          240
Glu Arg Leu Arg Ala Leu Asn Asn Cys Leu Ser His Met Leu Ala Val
245          250          255
Leu Val Leu Tyr Val Pro Met Val Gly Val Ser Met Thr His Arg Phe
260          265          270
Ala Lys His Ala Ser Pro Leu Val His Val Leu Met Ala Asn Ile Tyr
275          280          285
Leu Leu Ala Pro Pro Val Met Asn Pro Ile Ile Tyr Ser Val Lys Thr
290          295          300
Lys Gln Ile Arg Gln Gly Ile Thr Arg Leu Leu Leu Gln Arg Lys Val
305          310          315          320
His
```

<210> 1303

<211> 317

<212> PRT

<213> Mus musculus

<400> 1303

```
Met Lys Val Ser Ile Pro Pro Arg Ala Asn Phe Ser Tyr Ala Ile Phe
 1          5          10          15
Leu Leu Thr Gly Phe Pro Gly Leu Glu Trp Ala His His Trp Ile Ser
```


Ile	Arg	Glu	Ile	Ser	Phe	Glu	Ala	Cys	Phe	Ala	Gln	Phe	Phe	Phe	Leu
			100					105					110		
His	Gly	Phe	Ser	Phe	Met	Glu	Ser	Ser	Val	Leu	Leu	Ala	Met	Ser	Phe
		115					120					125			
Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg	Pro	Leu	His	Tyr	Ala	Ser	Ile	Leu
		130				135					140				
Thr	Ser	Glu	Val	Ile	Ala	Arg	Ile	Gly	Leu	Ala	Ile	Ile	Cys	Arg	Cys
					150					155					160
Val	Leu	Ala	Val	Leu	Pro	Ser	Leu	Phe	Leu	Leu	Lys	Arg	Leu	Pro	Phe
				165					170					175	
Cys	His	Ser	His	Leu	Ile	Ser	His	Ser	Tyr	Cys	Leu	His	Gln	Asp	Met
			180					185					190		
Ile	His	Leu	Val	Cys	Ala	Asp	Ile	Arg	Val	Asn	Ser	Trp	Tyr	Gly	Phe
		195					200					205			
Ala	Leu	Val	Leu	Leu	Ile	Ile	Val	Leu	Asp	Pro	Leu	Leu	Ile	Val	Leu
		210				215					220				
Ser	Tyr	Ala	Leu	Ile	Leu	Lys	Ser	Val	Leu	Asn	Thr	Ala	Thr	Trp	Thr
					230					235					240
Glu	Arg	Leu	Arg	Ala	Leu	Asn	Asn	Cys	Leu	Ser	His	Met	Leu	Ala	Val
				245					250					255	
Leu	Val	Leu	Tyr	Val	Pro	Met	Val	Gly	Val	Ser	Met	Thr	His	Arg	Phe
			260					265					270		
Ala	Lys	His	Ala	Ser	Pro	Leu	Val	His	Val	Leu	Met	Ala	Asn	Ile	Tyr
		275				280						285			
Leu	Leu	Ala	Pro	Pro	Val	Met	Asn	Pro	Ile	Ile	Tyr	Ser	Val	Lys	Thr
		290				295					300				
Lys	Gln	Ile	Arg	Gln	Gly	Ile	Thr	Arg	Leu	Leu	Leu	Gln	Arg	Lys	Val
					310					315					320
His															

<210> 1305
 <211> 326
 <212> PRT
 <213> Mus musculus

<400> 1305

Met	Lys	Val	Ala	Ser	Ser	Phe	His	Asn	Asp	Thr	Asn	Pro	Gln	Asp	Val
1				5					10					15	
Trp	Tyr	Val	Leu	Ile	Gly	Ile	Pro	Gly	Leu	Glu	Asp	Leu	His	Ser	Trp
			20					25					30		
Ile	Ala	Ile	Pro	Ile	Cys	Ser	Met	Tyr	Ile	Val	Ala	Val	Ile	Gly	Asn
		35				40						45			
Val	Leu	Leu	Ile	Phe	Leu	Ile	Val	Thr	Glu	Arg	Ser	Leu	His	Glu	Pro
		50				55					60				
Met	Tyr	Phe	Phe	Leu	Ser	Met	Leu	Ala	Leu	Ala	Asp	Leu	Leu	Leu	Ser
					70					75					80
Thr	Ala	Thr	Ala	Pro	Lys	Met	Leu	Ala	Ile	Phe	Trp	Phe	His	Ser	Arg
				85					90					95	
Gly	Ile	Ser	Phe	Gly	Ser	Cys	Val	Ser	Gln	Met	Phe	Phe	Ile	His	Phe
			100					105					110		
Ile	Phe	Val	Ala	Glu	Ser	Ala	Ile	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg
		115				120						125			
Tyr	Val	Ala	Ile	Cys	Tyr	Pro	Leu	Arg	Tyr	Thr	Thr	Ile	Leu	Thr	Ser
		130				135					140				
Ser	Val	Ile	Gly	Lys	Ile	Gly	Thr	Ala	Ala	Val	Val	Arg	Ser	Phe	Leu

145		150		155		160
Ile Cys Phe Pro Phe	Ile Phe Leu Val Tyr Arg Leu Leu Tyr Cys Gly					
	165	170	175			
Lys His Ile Ile Pro His Ser Tyr Cys Glu His Met Gly Ile Ala Arg						
	180	185	190			
Leu Ala Cys Asp Asn Ile Thr Val Asn Ile Ile Tyr Gly Leu Thr Met						
	195	200	205			
Ala Leu Leu Ser Thr Gly Leu Asp Ile Leu Leu Ile Ile Ser Tyr						
	210	215	220			
Thr Met Ile Leu Arg Thr Val Phe Gln Ile Pro Ser Trp Ala Ala Arg						
225	230	235	240			
Tyr Lys Ala Leu Asn Thr Cys Gly Ser His Ile Cys Val Ile Leu Leu						
	245	250	255			
Phe Tyr Thr Pro Ala Phe Phe Ser Phe Phe Ala His Arg Phe Gly Gly						
	260	265	270			
Lys Thr Val Pro Arg His Ile His Ile Leu Val Ala Asn Leu Tyr Val						
	275	280	285			
Val Val Pro Pro Met Leu Asn Pro Ile Ile Tyr Gly Val Lys Thr Lys						
	290	295	300			
Gln Ile Gln Asp Arg Val Val Phe Leu Phe Ser Ser Val Ser Thr Cys						
305	310	315	320			
Gln His Asp Ser Arg Cys						
	325					

<210> 1306
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1306

Met Leu Gly Thr Asn Phe Thr Ile Ile His Pro Thr Val Phe Ile Leu	
1	5
Leu Gly Ile Pro Gly Leu Glu Gln Tyr His Thr Trp Leu Ser Ile Pro	
	20
Phe Cys Leu Met Tyr Ile Ala Ala Val Leu Gly Asn Gly Ala Leu Ile	
	35
Leu Val Val Leu Ser Glu Arg Thr Leu His Glu Pro Met Tyr Val Phe	
	50
Leu Ser Met Leu Ala Gly Thr Asp Ile Leu Leu Ser Thr Thr Thr Val	
65	70
Pro Lys Thr Leu Ala Ile Phe Trp Phe His Ala Gly Glu Ile Pro Phe	
	85
Asp Ala Cys Ile Ala Gln Met Phe Phe Ile His Val Ala Phe Val Ala	
	100
Glu Ser Gly Ile Leu Leu Ala Met Ala Phe Asp Arg Tyr Val Ala Ile	
	115
Cys Thr Pro Leu Arg Tyr Ser Ala Val Leu Thr Pro Met Ala Ile Gly	
	130
Lys Met Thr Leu Ala Ile Trp Gly Arg Ser Ile Gly Thr Ile Phe Pro	
145	150
Ile Ile Phe Leu Leu Lys Arg Leu Ser Tyr Cys Arg Thr Asn Val Ile	
	165
Pro His Ser Tyr Cys Glu His Ile Gly Val Ala Arg Leu Ala Cys Ala	
	180
Asp Ile Thr Val Asn Ile Trp Tyr Gly Phe Ser Val Pro Met Ala Ser	
	195
	200
	205

Val	Leu	Val	Asp	Val	Ala	Leu	Ile	Gly	Ile	Ser	Tyr	Thr	Leu	Ile	Leu
210						215					220				
Gln	Ala	Val	Phe	Arg	Leu	Pro	Ser	Gln	Asp	Ala	Arg	His	Lys	Ala	Leu
225					230					235					240
Asn	Thr	Cys	Gly	Ser	His	Ile	Gly	Val	Ile	Leu	Leu	Phe	Phe	Ile	Pro
				245					250					255	
Ser	Phe	Phe	Thr	Phe	Leu	Thr	His	Arg	Phe	Gly	Lys	Asn	Ile	Pro	His
			260					265					270		
His	Val	His	Ile	Leu	Leu	Ala	Asn	Leu	Tyr	Val	Leu	Val	Pro	Pro	Met
		275					280					285			
Leu	Asn	Pro	Ile	Ile	Tyr	Gly	Ala	Lys	Thr	Lys	Gln	Ile	Arg	Asp	Ser
	290					295					300				
Met	Thr	Arg	Met	Leu	Ser	Val	Val	Trp	Lys	Ser					
305					310					315					

<210> 1307
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1307

Met	Ala	Ile	Leu	Tyr	Asn	Ser	Ser	Leu	Gln	Lys	Ala	Thr	Phe	Phe	Leu
1			5					10					15		
Thr	Gly	Phe	Gln	Gly	Leu	Glu	Glu	Phe	His	Gly	Trp	Ile	Ser	Ile	Pro
			20					25				30			
Phe	Cys	Ser	Ile	Tyr	Leu	Ile	Val	Ile	Leu	Gly	Asn	Leu	Thr	Ile	Leu
		35				40					45				
His	Val	Ile	Arg	Thr	Asp	Ala	Thr	Leu	His	Glu	Pro	Met	Tyr	Tyr	Phe
	50					55				60					
Leu	Ala	Met	Leu	Ala	Leu	Thr	Asp	Leu	Gly	Leu	Cys	Leu	Ser	Thr	Leu
65					70				75						80
Pro	Thr	Val	Leu	Gly	Ile	Phe	Trp	Phe	Asp	Ala	Arg	Glu	Ile	Gly	Ile
			85					90				95			
Pro	Ala	Cys	Phe	Thr	Gln	Leu	Phe	Phe	Ile	His	Thr	Leu	Ser	Leu	Val
		100					105					110			
Glu	Ser	Ser	Val	Leu	Leu	Ser	Met	Ser	Phe	Asp	Arg	Tyr	Val	Ala	Ile
	115					120						125			
Cys	Asn	Pro	Leu	Arg	Tyr	Ser	Thr	Ile	Leu	Thr	Pro	Arg	Arg	Ile	Val
	130					135					140				
Lys	Met	Gly	Leu	Ser	Ser	Val	Leu	Arg	Ser	Ala	Leu	Leu	Ile	Leu	Pro
145					150					155					160
Leu	Pro	Phe	Leu	Leu	Lys	Arg	Phe	His	Tyr	Cys	Arg	Ser	His	Val	Leu
			165					170					175		
Ala	His	Ala	Tyr	Cys	Leu	His	Leu	Glu	Ile	Met	Lys	Leu	Ala	Cys	Ser
		180						185					190		
Ser	Ile	Ile	Val	Asn	His	Ile	Tyr	Gly	Leu	Phe	Val	Val	Ala	Cys	Thr
	195					200						205			
Val	Gly	Val	Asp	Ser	Leu	Leu	Ile	Phe	Leu	Ser	Tyr	Thr	Leu	Ile	Leu
	210					215					220				
His	Ala	Val	Leu	Gly	Lys	Ala	Ser	Arg	Gln	Glu	Arg	Leu	Arg	Ala	Leu
225					230					235					240
Asn	Thr	Cys	Ile	Ser	His	Ile	Cys	Ala	Val	Leu	Leu	Phe	Tyr	Ile	Pro
			245					250						255	
Met	Ile	Gly	Leu	Ser	Leu	Val	His	Arg	Phe	Gly	Glu	His	Leu	Pro	Arg
		260						265					270		
Ile	Val	His	Leu	Leu	Met	Ser	Tyr	Val	Tyr	Leu	Leu	Val	Pro	Pro	Leu

	275		280		285										
Met	Asn	Pro	Ile	Val	Tyr	Ser	Ile	Lys	Thr	Lys	Gln	Ile	Arg	Gln	Arg
	290					295					300				
Ile	Ile	Lys	Lys	Phe	Glu	Phe	Ile	Lys							
305					310										

<210> 1308
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1308															
Met	Leu	Val	Lys	Ser	Ser	Ile	Met	Ser	Val	Leu	Asn	Ser	Ser	Glu	Ile
1				5					10					15	
Glu	Ile	Thr	Thr	Phe	Phe	Leu	Ile	Gly	Ile	Pro	Gly	Leu	Glu	Tyr	Ala
			20					25					30		
His	Ala	Trp	Ile	Ser	Ile	Pro	Ile	Cys	Leu	Met	Tyr	Leu	Val	Ala	Ile
		35				40					45				
Leu	Gly	Asn	Cys	Thr	Ile	Leu	Phe	Val	Ile	Arg	Thr	Glu	Pro	Ser	Leu
	50				55					60					
His	Ala	Pro	Met	Tyr	Tyr	Phe	Leu	Ser	Met	Leu	Ala	Ile	Ser	Asp	Leu
65				70					75					80	
Gly	Leu	Ser	Leu	Ser	Ser	Leu	Pro	Thr	Met	Leu	Arg	Ile	Phe	Val	Phe
			85					90					95		
Asn	Ala	Thr	Gly	Ile	Ser	Pro	Asn	Ala	Cys	Phe	Ala	Gln	Glu	Phe	Phe
			100					105					110		
Ile	His	Gly	Phe	Thr	Asp	Met	Glu	Ser	Ser	Val	Leu	Leu	Ile	Met	Ser
	115					120						125			
Phe	Asp	Arg	Phe	Leu	Ala	Ile	Arg	Asn	Pro	Leu	Arg	Tyr	Ser	Ser	Ile
	130				135					140					
Leu	Thr	Ser	Ala	Arg	Val	Ala	Lys	Met	Gly	Leu	Val	Phe	Leu	Ile	Lys
145				150					155					160	
Ser	Met	Leu	Leu	Val	Leu	Pro	Phe	Pro	Phe	Thr	Leu	Lys	Arg	Leu	Ala
			165					170					175		
Tyr	Cys	Gln	Lys	Ser	Leu	Leu	Ser	His	Ser	Tyr	Cys	Leu	His	Gln	Asp
		180					185					190			
Val	Met	Lys	Leu	Ala	Cys	Ser	Asp	Asn	Thr	Val	Asn	Phe	Phe	Tyr	Gly
	195					200					205				
Phe	Phe	Val	Ala	Leu	Cys	Met	Met	Ser	Asp	Ser	Met	Phe	Ile	Ala	Val
	210				215					220					
Ser	Tyr	Ile	Phe	Ile	Leu	Lys	Thr	Val	Met	Gly	Ile	Gly	Ser	His	Lys
225				230					235					240	
Glu	Arg	Leu	Lys	Ala	Leu	Asn	Thr	Cys	Val	Ser	His	Ile	Cys	Ala	Val
			245					250					255		
Leu	Ile	Phe	Tyr	Val	Pro	Ile	Ile	Ala	Leu	Ala	Ser	Met	His	Arg	Phe
		260					265					270			
Gly	Lys	His	Lys	Ser	Pro	Met	Ala	Met	Ile	Leu	Ile	Ala	Asp	Ile	Phe
	275					280					285				
Leu	Leu	Val	Pro	Pro	Leu	Met	Asn	Pro	Ile	Val	Tyr	Cys	Val	Lys	Thr
	290				295					300					
Arg	Gln	Ile	Arg	Glu	Lys	Val	Leu	Gly	Lys	Leu	Gly	Leu	Lys		
305					310					315					

<210> 1309
 <211> 314

<212> PRT

<213> Mus musculus

<400> 1309

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Met Pro Thr Phe Gln Asn Thr Thr Ala Ser Ser Ile Ile Phe Leu Leu
 1          5          10          15
Thr Gly Val Pro Gly Leu Glu Ala Phe His Thr Trp Ile Ser Ile Pro
 20          25          30
Phe Cys Phe Leu Tyr Ala Thr Ala Leu Ser Gly Asn Ser Leu Ile Leu
 35          40          45
Phe Val Ile Ile Thr Gln Pro Ser Leu His Glu Pro Met Tyr Tyr Phe
 50          55          60
Leu Ser Met Leu Ser Thr Thr Asp Leu Gly Leu Ser Ile Ser Thr Leu
 65          70          75          80
Ala Thr Met Leu Gly Ile Phe Trp Phe Asn Ala Arg Glu Ile Ser Phe
 85          90          95
Asn Ala Cys Leu Ser Leu Met Phe Phe Ile Lys Leu Phe Thr Val Met
100          105          110
Glu Ser Ser Val Leu Leu Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile
115          120          125
Ser Asn Pro Leu Arg Tyr Ala Thr Ile Leu Thr Asp Ser Arg Ile Ala
130          135          140
Gln Ile Gly Val Thr Ile Val Ile Arg Gly Thr Val Met Leu Thr Pro
145          150          155          160
Met Val Ala Leu Leu Lys Arg Leu Thr Phe Cys Ser Ser Arg Val Leu
165          170          175
His His Ser Tyr Cys Phe His Pro Asp Val Met Lys Leu Ser Cys Thr
180          185          190
Asp Thr Arg Ile Asn Asn Ala Val Gly Leu Thr Ala Met Ile Ser Thr
195          200          205
Val Gly Val Asp Ser Val Leu Ile Leu Leu Ser Tyr Ile Leu Ile Ile
210          215          220
Arg Thr Val Leu Ser Ile Ala Ser Pro Glu Glu Arg Lys Lys Ala Phe
225          230          235          240
Ser Thr Cys Ile Ser His Ile Gly Ala Val Ala Ile Phe Tyr Ile Pro
245          250          255
Leu Ile Ser Leu Ser Phe Val His Arg Phe Gly Lys Arg Ala Pro Pro
260          265          270
Tyr Val His Thr Met Ile Ala Asn Thr Tyr Leu Leu Ile Pro Pro Val
275          280          285
Met Asn Pro Ile Ile Tyr Ser Val Lys Thr Lys Gln Ile Arg Lys Ala
290          295          300
Val Ile Lys Val Phe Gln Ser Lys Glu Ile
305          310
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<210> 1310

<211> 318

<212> PRT

<213> Mus musculus

<400> 1310

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Met Ile Pro Ser Gly Pro Phe Ile Asn Ile Ser Phe Phe Gln Pro Gln
 1          5          10          15
Ser Phe Leu Met Ile Gly Ile Pro Gly Leu Glu Phe Ala His Gly Trp
 20          25          30
Ile Ser Ile Pro Phe Ser Phe Met Tyr Thr Val Ala Leu Thr Gly Asn
```


Phe	Ser	Ala	Met	Glu	Ser	Ser	Val	Leu	Leu	Ile	Met	Ser	Phe	Asp	Arg
		115					120					125			
Tyr	Ile	Ala	Ile	Cys	Asn	Pro	Leu	Arg	Tyr	Thr	Ser	Ile	Leu	Thr	Ser
		130				135					140				
Ala	Arg	Val	Leu	Gln	Ile	Gly	Leu	Ala	Phe	Ser	Leu	Lys	Asn	Val	Leu
		145			150					155					160
Leu	Ile	Leu	Pro	Phe	Pro	Val	Thr	Leu	Val	Arg	Leu	Arg	Tyr	Cys	Lys
			165						170					175	
Lys	Asn	Leu	Leu	Ser	His	Ser	Tyr	Cys	Leu	His	Gln	Asp	Val	Met	Lys
		180						185					190		
Leu	Ala	Cys	Ser	Asp	Asn	Lys	Phe	Asn	Val	Ile	Tyr	Gly	Leu	Phe	Val
		195					200					205			
Ala	Leu	Thr	Gly	Ile	Leu	Asp	Ile	Thr	Phe	Ile	Phe	Met	Ser	Tyr	Ala
		210				215					220				
Leu	Ile	Leu	Arg	Ala	Val	Leu	Gly	Ile	Ala	Ser	Gln	Arg	Glu	Arg	Leu
		225			230				235						240
Lys	Val	Leu	Ser	Thr	Cys	Val	Ser	His	Ile	Cys	Ala	Val	Leu	Ile	Phe
			245					250						255	
Tyr	Val	Pro	Val	Ile	Ser	Leu	Ala	Val	Ile	Tyr	Arg	Leu	Ala	Ser	Arg
		260					265						270		
Ser	Ser	Pro	Ile	Ser	Lys	Ile	Leu	Met	Ala	Asp	Ile	Phe	Leu	Leu	Val
		275				280						285			
Pro	Pro	Val	Met	Asn	Pro	Ile	Ile	Tyr	Cys	Val	Lys	Ser	Gln	Gln	Ile
		290			295						300				
Arg	Asn	Val	Ile	Leu	Glu	Lys	Leu	Cys	Gln	Lys	Gln	Ser			
		305			310				315						

<210> 1312
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1312

Met	Ile	Leu	Asn	Thr	Ser	Glu	Val	Glu	Ile	Ser	Ser	Phe	Leu	Leu	Ile
1			5					10					15		
Gly	Ile	Pro	Gly	Phe	Glu	His	Met	His	Ile	Trp	Ile	Ser	Ile	Pro	Ile
		20						25				30			
Cys	Leu	Met	Tyr	Leu	Thr	Ala	Ile	Leu	Gly	Asn	Cys	Thr	Ile	Leu	Cys
		35				40					45				
Val	Ile	Arg	Thr	Glu	Pro	Ser	Leu	His	Glu	Pro	Met	Tyr	Tyr	Phe	Leu
	50				55					60					
Ser	Met	Leu	Ala	Phe	Ser	Asp	Leu	Gly	Leu	Ser	Phe	Ser	Ser	Ile	Pro
65					70				75					80	
Thr	Met	Leu	Arg	Ile	Phe	Leu	Phe	Asn	Ala	Met	Gly	Ile	Ser	Thr	Asp
			85					90					95		
Ala	Cys	Ile	Ala	Gln	Glu	Phe	Phe	Ile	His	Gly	Phe	Thr	Asp	Met	Glu
		100						105				110			
Ser	Ser	Val	Leu	Leu	Ile	Met	Ser	Phe	Asp	Arg	Phe	Val	Ala	Ile	Arg
		115				120					125				
His	Pro	Leu	Arg	Tyr	Ser	Ala	Ile	Leu	Thr	Ser	Ser	Arg	Val	Val	Gln
	130				135					140					
Ile	Gly	Leu	Ala	Phe	Ser	Val	Lys	Ser	Ile	Leu	Leu	Val	Leu	Pro	Leu
145				150					155					160	
Pro	Phe	Thr	Leu	Lys	Arg	Leu	Arg	Tyr	Cys	Asn	Lys	Arg	Leu	Leu	Ser
			165					170					175		
His	Ser	Tyr	Cys	Leu	His	Gln	Asp	Val	Met	Lys	Leu	Ala	Cys	Ser	Asp

<210> 1315
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1315
 Met Ser Pro Gly Asn His Ser Glu Ala Ser Leu Phe Val Leu Glu Gly
 1 5 10 15
 Leu Thr Asp Gln Pro Gly Leu Gln Ile Pro Leu Phe Ser Leu Phe Leu
 20 25 30
 Leu Ile Tyr Leu Val Ser Met Ala Gly Asn Leu Gly Leu Val Phe Leu
 35 40 45
 Ile Arg Ile Ser Ser Gln Leu His Thr Pro Met Tyr His Phe Leu Ser
 50 55 60
 Asn Leu Ser Phe Ile Asp Leu Cys Tyr Ser Ser Val Ile Ile Pro Lys
 65 70 75 80
 Met Leu Val Asn Phe Val Ser Glu Lys Asn Phe Thr Ala Phe Pro Glu
 85 90 95
 Cys Met Val Gln Leu Phe Leu Phe Ser Phe Phe Gly Ile Asp Asp Ser
 100 105 110
 Tyr Met Leu Thr Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn
 115 120 125
 Pro Leu Leu Tyr Asn Val Thr Met Ser His Arg Val Cys Met Leu Leu
 130 135 140
 Ser Thr Ala Val Tyr Ala Met Gly Ala Phe Gly Ala Thr Val His Thr
 145 150 155 160
 Ser Tyr Ile Ser Ser Arg Ser Phe Cys Gly Thr Asn Val Ile His His
 165 170 175
 Tyr Phe Cys Asp Ile Leu Pro Leu Ile Asn Ile Ala Cys Ser Arg Asp
 180 185 190
 Tyr Thr Lys Glu Phe Trp Val Met Ile Leu Val Gly Phe Asn Val Phe
 195 200 205
 Ala Ser Val Phe Ser Ile Phe Ile Ser Tyr Ala Phe Ile Leu Ala Ser
 210 215 220
 Ile Leu Arg Ile Arg Ser Ala Asp Gly Arg Ser Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Ser Ser His Leu Ala Ala Val Gly Val Phe Tyr Gly Ser Ile Ile
 245 250 255
 Phe Met Tyr Phe Lys Pro Ser Thr Gly Asn Thr Thr Gln Glu Lys Val
 260 265 270
 Ala Ser Val Phe Tyr Thr Thr Val Ile Pro Met Leu Asn Pro Leu Ile
 275 280 285
 Tyr Ser Leu Arg Asn Lys Asp Val Lys Glu Ala Ile Lys Lys Ala Leu
 290 295 300
 Asn Ser Gly Leu Phe Ser
 305 310

<210> 1316
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1316
 Met Leu Asn Gly Ser Val Val Thr Thr Phe Phe Leu Ser Gly Leu Pro
 1 5 10 15

His Pro Pro Val Leu Asp Ser Met Leu Phe Gly Ile Phe Leu Val Ile
 20 25 30
 Tyr Ile Leu Thr Val Leu Gly Asn Leu Leu Ile Leu Met Val Ile Arg
 35 40 45
 Val Asp Ser His Leu His Thr Pro Met Tyr Tyr Phe Leu Thr Asn Leu
 50 55 60
 Ser Phe Ile Asp Met Trp Phe Ser Thr Val Thr Val Pro Lys Met Leu
 65 70 75 80
 Met Thr Leu Val Ser Thr Gly Gly Gly Ala Ile Ser Phe His Ser Cys
 85 90 95
 Val Ala Gln Leu Tyr Cys Phe His Phe Leu Gly Ser Thr Glu Cys Phe
 100 105 110
 Leu Tyr Thr Val Met Ser Tyr Asp Arg Tyr Leu Ala Ile Ser Tyr Pro
 115 120 125
 Leu Arg Tyr Ser Ser Met Met Ser Gly Arg Val Cys Ala Leu Leu Ala
 130 135 140
 Ala Gly Thr Trp Ile Thr Gly Ser Leu His Ser Ala Val Gln Thr Thr
 145 150 155 160
 Leu Ile Phe His Leu Pro Tyr Cys Gly Pro Asn Glu Ile Gln His Tyr
 165 170 175
 Phe Cys Asp Gly Pro Pro Ile Leu Lys Leu Ala Cys Ala Asp Thr Ser
 180 185 190
 Ala Ile Glu Met Val Ile Phe Val Asn Ile Gly Val Val Ala Ser Gly
 195 200 205
 Cys Phe Phe Leu Ile Ser Leu Ser Tyr Val Ser Ile Val Cys Ser Ile
 210 215 220
 Leu Arg Ile Arg Thr Ser Glu Gly Arg His Arg Ala Phe Gln Thr Cys
 225 230 235 240
 Ala Ser His Cys Ile Val Val Leu Cys Phe Phe Val Pro Cys Val Phe
 245 250 255
 Ile Tyr Leu Arg Pro Gly Ser Arg Asp Ala Val Asp Gly Val Val Thr
 260 265 270
 Val Phe Tyr Thr Val Leu Thr Pro Leu Leu Asn Pro Val Val Tyr Thr
 275 280 285
 Leu Arg Asn Lys Glu Val Lys Lys Ala Leu Phe Lys Leu Lys Asp Lys
 290 295 300
 Val Ala Phe Ser Gln Arg
 305 310

<210> 1317
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1317
 Met Ser Asn Thr Ser Ile Val Thr Thr Phe Phe Leu Ser Gly Leu Pro
 1 5 10 15
 His Pro Pro Val Leu Asp Ser Met Leu Phe Gly Ile Phe Leu Val Ile
 20 25 30
 Tyr Ile Leu Thr Val Leu Gly Asn Leu Leu Ile Leu Thr Val Ile Arg
 35 40 45
 Val Asp Ser His Leu His Thr Pro Met Tyr Tyr Phe Leu Thr Asn Leu
 50 55 60
 Ser Phe Ile Asp Met Trp Phe Ser Thr Val Thr Val Pro Lys Met Leu
 65 70 75 80
 Met Thr Leu Val Ser Thr Gly Gly Gly Ala Ile Ser Phe His Ser Cys

Pro	Ile	Leu	Leu	Arg	Arg	Leu	Ile	Phe	Pro	Gln	Ile	Ser	Thr	Leu	Ser
				165					170					175	
His	Cys	Tyr	Cys	Leu	His	Cys	Asp	Leu	Val	Gly	Leu	Ala	Cys	Ser	Asp
			180					185					190		
Thr	Arg	Ile	Asn	Ser	Leu	Val	Gly	Leu	Val	Ser	Ile	Leu	Leu	Ser	Leu
		195					200					205			
Gly	Leu	Asp	Ser	Ser	Leu	Ile	Met	Leu	Ser	Tyr	Ala	Leu	Ile	Leu	Arg
	210					215					220				
Thr	Val	Leu	Gly	Ile	Ala	Ser	Pro	Gly	Glu	Arg	Leu	Lys	Ala	Leu	Asn
225					230					235					240
Thr	Cys	Val	Ser	His	Leu	Cys	Ile	Val	Leu	Ile	Phe	Tyr	Leu	Pro	Lys
				245					250					255	
Leu	Gly	Leu	Ser	Val	Leu	His	Arg	Val	Glu	Lys	His	Ser	Tyr	Pro	Ala
			260					265					270		
Leu	Ala	Val	Leu	Met	Ala	Asn	Leu	His	Phe	Leu	Val	Pro	Pro	Phe	Met
		275					280					285			
Asn	Pro	Val	Val	Tyr	Cys	Ile	Lys	Ser	Lys	Gln	Ile	Arg	Gln	Gly	Phe
	290					295					300				
Leu	Arg	Arg	Phe	Gln	Gln	Lys	Arg	Val	Asp	Ile	Ser				
305					310					315					

<210> 1319
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1319

Met	Asn	Ser	Asn	Ala	Ser	Gln	Thr	Asn	His	His	Ser	Phe	Ile	Leu	Thr
1				5					10					15	
Gly	Ile	Pro	Gly	Met	Pro	Asp	Lys	Asn	Pro	Trp	Met	Ala	Phe	Pro	Leu
			20					25					30		
Gly	Phe	Leu	Tyr	Thr	Leu	Thr	Leu	Leu	Gly	Asn	Gly	Thr	Ile	Leu	Ala
		35				40						45			
Val	Val	Lys	Val	Glu	Gln	Ser	Leu	His	Glu	Pro	Met	Tyr	Tyr	Phe	Leu
	50					55					60				
Cys	Ile	Leu	Ala	Leu	Thr	Asp	Val	Ser	Leu	Ser	Met	Ser	Thr	Leu	Pro
65					70					75					80
Ser	Met	Leu	Ser	Ile	Phe	Trp	Phe	Asn	Ala	Pro	Glu	Ile	Pro	Phe	Asp
				85					90					95	
Ala	Cys	Ile	Thr	Gln	Met	Phe	Phe	Ile	His	Gly	Phe	Gly	Val	Val	Glu
			100					105					110		
Ser	Gly	Val	Leu	Val	Ser	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Ile	Arg
		115					120					125			
Asp	Pro	Leu	Arg	Tyr	Ala	Ser	Ile	Leu	Thr	His	Gly	Leu	Ile	Gly	Lys
	130					135					140				
Ile	Gly	Leu	Val	Val	Leu	Ala	Arg	Ala	Val	Cys	Val	Val	Phe	Pro	Val
145					150					155					160
Pro	Phe	Leu	Ile	Lys	Arg	Leu	Pro	Phe	Cys	Arg	Ser	Asn	Val	Leu	Ser
				165				170						175	
His	Ser	Tyr	Cys	Leu	His	Gln	Asp	Ala	Met	Arg	Leu	Ala	Cys	Ala	Ser
		180						185					190		
Thr	Arg	Val	Asn	Ser	Leu	Tyr	Gly	Leu	Ile	Val	Val	Ile	Leu	Thr	Leu
		195					200					205			
Gly	Leu	Asp	Ala	Leu	Ile	Ile	Leu	Phe	Ser	Tyr	Val	Leu	Ile	Leu	Lys
	210					215					220				
Thr	Val	Leu	Gly	Ile	Ala	Ser	Arg	Ala	Glu	Arg	Leu	Lys	Ala	Leu	Asn

225		230		235		240									
Thr	Cys	Leu	Ser	His	Ile	Cys	Ala	Val	Leu	Leu	Phe	Tyr	Ile	Pro	Leu
				245					250					255	
Ile	Gly	Ala	Thr	Met	Ile	His	Arg	Phe	Gly	Lys	His	Leu	Ser	Pro	Val
			260					265					270		
Val	His	Met	Phe	Met	Ala	Asn	Ile	Tyr	Leu	Leu	Leu	Pro	Pro	Val	Leu
		275					280					285			
Asn	Pro	Ile	Val	Tyr	Ser	Val	Lys	Thr	Lys	Gln	Ile	Arg	Arg	Arg	Ile
	290					295					300				
Ile	Gln	Val	Phe	Arg	Gly	Arg	Lys	Asn	Met	Ser					
305					310					315					

<210> 1320
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 <212> PRT
 <213> Mus musculus

<400> 1320

Met	Leu	Val	Asn	Asn	Ile	Thr	Ser	Thr	His	Pro	Val	Ala	Phe	Leu	Leu
1			5					10					15		
Met	Gly	Ile	Pro	Gly	Leu	Glu	His	Leu	His	Ile	Trp	Ile	Ser	Ile	Pro
			20					25					30		
Phe	Cys	Ser	Ala	Tyr	Thr	Leu	Ala	Val	Leu	Gly	Asn	Cys	Thr	Leu	Leu
		35				40					45				
Phe	Ile	Ile	Arg	Val	Asp	Ala	Ala	Leu	His	Glu	Thr	Met	Tyr	Leu	Phe
	50				55					60					
Leu	Ala	Met	Leu	Ala	Ala	Ile	Asp	Leu	Val	Leu	Ser	Ser	Ser	Thr	Leu
65				70				75							80
Pro	Lys	Met	Leu	Ser	Leu	Phe	Trp	Phe	Arg	Asp	Arg	Glu	Ile	Asn	Phe
			85					90						95	
His	Ala	Cys	Leu	Ile	Gln	Met	Phe	Phe	Leu	His	Ser	Phe	Ala	Ile	Met
			100					105					110		
Glu	Ser	Ala	Met	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile
		115				120						125			
Cys	Lys	Pro	Leu	His	Tyr	Thr	Thr	Ile	Leu	Thr	Lys	Pro	Leu	Ile	Ile
	130					135					140				
Lys	Ile	Gly	Leu	Ala	Ala	Val	Thr	Arg	Ala	Val	Thr	Leu	Met	Thr	Pro
145				150					155						160
Leu	Pro	Phe	Leu	Leu	Arg	Arg	Phe	His	Tyr	Cys	Arg	Gly	Thr	Val	Ile
			165					170						175	
Ala	His	Cys	Tyr	Cys	Glu	His	Met	Ala	Val	Val	Arg	Leu	Ala	Cys	Gly
		180					185					190			
Asp	Thr	Arg	Phe	Asn	Asn	Ile	Tyr	Gly	Ile	Ala	Val	Ala	Met	Phe	Ile
		195				200						205			
Val	Val	Leu	Asp	Leu	Leu	Phe	Val	Ile	Leu	Ser	Tyr	Ile	Phe	Ile	Leu
	210					215					220				
Arg	Ala	Val	Leu	Gln	Leu	Ala	Ser	Gln	Glu	Ala	Arg	Tyr	Lys	Ala	Phe
225				230					235						240
Gly	Thr	Cys	Val	Ser	His	Ile	Gly	Ala	Ile	Leu	Ala	Phe	Tyr	Thr	Pro
			245					250						255	
Val	Val	Ile	Ser	Ser	Val	Met	His	Arg	Val	Ala	Arg	Arg	Ala	Ala	Pro
		260					265						270		
His	Val	His	Ile	Leu	Leu	Ala	Asn	Phe	Tyr	Leu	Leu	Phe	Pro	Pro	Met
	275					280						285			
Val	Asn	Pro	Ile	Ile	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Arg	Glu	Arg
	290					295					300				

Val Leu Gly Leu Phe Leu Arg Lys Asp Leu Lys Gly Glu
 305 310 315

<210> 1321
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1321
 Met Ala Pro Phe Asn Tyr Thr Gly Thr Ser His Ser Val Phe Ile Leu
 1 5 10 15
 Leu Gly Ile Pro Gly Leu Glu Glu Gln His Leu Trp Ile Ser Leu Pro
 20 25 30
 Phe Phe Ile Ser Tyr Leu Val Ala Leu Phe Gly Asn Ile Thr Leu Ile
 35 40 45
 Leu Val Ile Ile Ala Glu Arg Ser Leu His Glu Pro Met Tyr Leu Phe
 50 55 60
 Leu Cys Met Leu Ala Ala Ala Asp Leu Ile Leu Ser Thr Thr Thr Val
 65 70 75 80
 Pro Lys Ala Leu Ala Ile Phe Trp Phe Arg Ala Gly Ala Ile Ser Leu
 85 90 95
 Asp Gly Cys Val Thr Gln Ile Phe Phe Ile His Ala Thr Phe Ile Ala
 100 105 110
 Glu Ser Gly Ile Leu Leu Ala Met Ala Phe Asp Arg Tyr Val Ala Ile
 115 120 125
 Cys Asp Pro Leu His Tyr Ser Thr Val Leu Ser His Val Ile Ile Val
 130 135 140
 Arg Ile Gly Leu Ala Val Val Leu Arg Ser Phe Cys Val Ile Leu Pro
 145 150 155 160
 Asp Val Phe Leu Val Lys Arg Leu Pro Phe Cys Arg Ser Asn Val Leu
 165 170 175
 Pro His Thr Tyr Cys Glu His Met Ala Val Ala Arg Phe Ala Cys Ala
 180 185 190
 Asp Ile Arg Val Asn Val Trp Tyr Gly Leu Ser Val Leu Leu Ser Thr
 195 200 205
 Val Val Leu Asp Ala Leu Leu Ile Leu Val Ser Tyr Gly Leu Ile Leu
 210 215 220
 His Thr Val Phe Arg Leu Pro Ser Arg Gly Ala Arg Gln Lys Ala Leu
 225 230 235 240
 Gly Thr Cys Gly Ser His Leu Gly Val Ile Ser Met Phe Tyr Leu Pro
 245 250 255
 Gly Ile Phe Thr Ile Ile Thr Gln Arg Phe Gly Gln His Val Pro Leu
 260 265 270
 His Thr His Ile Leu Leu Ala Asn Val Cys Met Leu Ala Pro Pro Met
 275 280 285
 Leu Asn Pro Ile Ile Tyr Gly Ile Lys Thr Arg Gln Ile Arg Glu Arg
 290 295 300
 Val Leu Ser Ser Leu Ser Ser Gln Trp Lys Leu Arg
 305 310 315

<210> 1322
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1322

Met	Ser	Asp	Val	Asn	Thr	Thr	Ser	Asn	Trp	Pro	Thr	Phe	Ser	Phe	Ile
1				5					10					15	
Gly	Ile	Pro	Gly	Leu	Glu	Ala	Ala	His	Met	Trp	Ile	Ser	Ile	Pro	Phe
		20						25					30		
Cys	Leu	Leu	Tyr	Leu	Val	Ala	Leu	Gly	Gly	Asn	Val	Leu	Leu	Leu	
	35						40					45			
Leu	Val	Arg	Ala	Glu	Gln	Asn	Leu	His	Glu	Pro	Gln	Phe	Tyr	Phe	Leu
	50					55					60				
Ala	Met	Leu	Ala	Leu	Thr	Asp	Leu	Gly	Leu	Ser	Leu	Ser	Thr	Met	Pro
65					70					75					80
Ser	Val	Leu	Ala	Ile	Phe	Trp	Phe	Asp	Val	His	Asn	Val	Gly	Leu	Asp
				85					90					95	
Ala	Cys	Leu	Thr	Gln	Met	Phe	Phe	Ile	His	Thr	Leu	Ser	Ser	Val	Glu
			100					105						110	
Ser	Gly	Val	Leu	Val	Ala	Met	Ala	Phe	Asp	Arg	Leu	Val	Ala	Ile	Cys
		115					120						125		
Ala	Pro	Leu	Thr	Tyr	Thr	Arg	Ile	Leu	Asn	His	Gln	Thr	Val	Leu	Cys
	130					135					140				
Leu	Ser	Gly	Ala	Ala	Leu	Ile	Arg	Gly	Ala	Thr	Leu	Leu	Ala	Pro	Leu
145					150					155					160
Pro	Phe	Phe	Leu	Arg	Thr	Phe	Pro	Phe	Cys	Gly	Ala	Asn	Ile	Leu	Ser
			165						170					175	
His	Ser	Tyr	Cys	Tyr	Tyr	Pro	Asp	Met	Leu	Asn	Leu	Ala	Cys	Gly	Asp
		180					185						190		
Val	Thr	Phe	Ser	Ser	Val	Tyr	Gly	Leu	Val	Cys	Val	Leu	Cys	Thr	Phe
	195						200					205			
Ala	Val	Asp	Val	Ile	Phe	Ile	Leu	Val	Ser	Tyr	Met	Lys	Ile	Leu	Gly
	210					215					220				
Thr	Val	Met	Lys	Leu	Gly	Ile	Gln	Asp	Arg	Asn	Trp	Lys	Ser	Leu	Gln
225					230					235					240
Thr	Cys	Val	Cys	His	Leu	Cys	Thr	Val	Leu	Val	Phe	Tyr	Leu	Pro	Leu
			245						250					255	
Ile	Ser	Leu	Ala	Val	Leu	His	Arg	Tyr	Thr	Gln	Glu	Thr	Ser	Pro	Ile
		260					265						270		
Leu	Tyr	Thr	Thr	Met	Ser	Asn	Ala	Tyr	Leu	Leu	Met	Thr	Pro	Leu	Leu
	275					280						285			
Asn	Pro	Leu	Val	Tyr	Ser	Leu	Lys	Ser	Arg	Gln	Ile	Gln	Ala	Ala	Leu
	290					295					300				
Arg	Lys	Arg	Phe	Gly	Val	Gln	Arg	Val	Val	Ala	Gly	Glu			
305					310					315					

<210> 1323

<211> 317

<212> PRT

<213> Mus musculus

<400> 1323

Met	Glu	Ile	Thr	Asn	Ser	Ser	Trp	Phe	Gln	Pro	Pro	Thr	Leu	Leu	Leu
1				5					10					15	
Thr	Gly	Ile	Pro	Gly	Leu	Glu	Asp	Val	Gln	Ile	Trp	Phe	Cys	Ile	Pro
			20					25					30		
Leu	Cys	Val	Met	Tyr	Leu	Ile	Ala	Leu	Leu	Gly	Asn	Cys	Thr	Ile	Leu
	35						40					45			
Phe	Val	Ile	Arg	Thr	Thr	Ser	Leu	His	Glu	Pro	Gln	Tyr	Ile	Phe	
	50					55				60					

Leu	Ser	Met	Leu	Ala	Ala	Thr	Asp	Val	Gly	Leu	Ser	Val	Ser	Thr	Leu
65				70					75						80
Pro	Thr	Val	Leu	Asn	Val	Phe	Leu	Leu	Asn	His	Arg	Asp	Ile	Glu	Phe
			85						90					95	
His	Ser	Cys	Leu	Thr	Gln	Met	Phe	Phe	Ile	His	Thr	Phe	Ser	Ser	Met
			100					105					110		
Glu	Ser	Ala	Ile	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Ile
		115					120					125			
Arg	Asn	Ser	Leu	His	Tyr	Thr	Ala	Val	Leu	Thr	Pro	Thr	Arg	Ile	Ile
	130					135					140				
Lys	Ile	Gly	Leu	Ala	Ala	Val	Val	Arg	Gly	Val	Met	Leu	Met	Ile	Pro
145				150						155					160
Leu	Pro	Ile	Leu	Leu	Lys	Arg	Leu	Pro	Phe	Cys	Lys	Gly	Val	Ile	Leu
			165						170					175	
Ser	His	Cys	Tyr	Cys	Tyr	His	Pro	Asp	Ile	Met	Lys	Leu	Ala	Cys	Gly
			180					185					190		
Pro	Val	Arg	Val	Asn	Ile	Ile	Tyr	Gly	Leu	Ser	Leu	Val	Leu	Cys	Ser
		195					200					205			
Phe	Gly	Val	Asp	Ser	Val	Phe	Ile	Val	Ile	Ser	Tyr	Ile	Leu	Ile	Leu
	210					215					220				
Lys	Thr	Val	Leu	Gly	Ile	Ala	Ser	Gly	Asp	Gly	Lys	Leu	Lys	Ala	Leu
225				230						235					240
Asn	Thr	Cys	Val	Ser	His	Ile	Phe	Thr	Val	Phe	Ile	Phe	Tyr	Val	Pro
			245						250					255	
Leu	Ile	Val	Leu	Ala	Leu	Ile	His	Arg	Phe	Gly	Thr	Phe	Ala	Ser	Pro
			260					265					270		
Leu	Leu	His	Val	Thr	Met	Ala	Asn	Leu	Phe	Leu	Phe	Leu	Thr	Pro	Val
		275					280					285			
Leu	Asn	Pro	Leu	Val	Tyr	Ser	Leu	Lys	Thr	Lys	Gln	Ile	Arg	Ser	Ala
	290					295					300				
Val	Cys	Lys	Ile	Phe	Lys	Val	Trp	Gly	Asn	Leu	Leu	Lys			
305					310					315					

<210> 1324
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1324

Met	Ala	Thr	Ser	Asn	Ser	Ser	Thr	Ile	Val	Ser	Ser	Thr	Phe	Tyr	Leu
1				5					10					15	
Thr	Gly	Ile	Pro	Gly	Tyr	Glu	Glu	Phe	His	His	Trp	Ile	Ser	Ile	Pro
			20					25					30		
Phe	Cys	Phe	Leu	Tyr	Leu	Val	Gly	Ile	Thr	Gly	Asn	Cys	Met	Ile	Leu
		35					40					45			
His	Ile	Val	Arg	Thr	Asp	Pro	Arg	Leu	His	Glu	Pro	Met	Tyr	Tyr	Phe
	50					55					60				
Leu	Ala	Met	Leu	Ser	Leu	Thr	Asp	Met	Ala	Met	Ser	Leu	Pro	Thr	Met
65					70					75					80
Met	Ser	Leu	Phe	Arg	Val	Leu	Trp	Ser	Ile	Ser	Arg	Glu	Ile	Gln	Phe
			85						90					95	
Asn	Ile	Cys	Val	Val	Gln	Met	Phe	Leu	Ile	His	Thr	Phe	Ser	Phe	Thr
			100					105					110		
Glu	Ser	Ser	Val	Leu	Leu	Ala	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	His	Pro	Leu	Arg	Tyr	Ala	Thr	Ile	Leu	Thr	Pro	Lys	Leu	Ile	Ala

130		135		140											
Lys	Ile	Gly	Thr	Ala	Ala	Leu	Leu	Arg	Ser	Ser	Ile	Leu	Ile	Ile	Pro
145				150						155					160
Leu	Ile	Ala	Arg	Leu	Ala	Phe	Phe	Pro	Phe	Cys	Gly	Ser	His	Val	Leu
			165							170					175
Ser	His	Ser	Tyr	Cys	Leu	His	Gln	Asp	Met	Ile	Arg	Leu	Ala	Cys	Ala
			180					185					190		
Asp	Ile	Arg	Phe	Asn	Val	Ile	Tyr	Gly	Leu	Val	Leu	Ile	Thr	Leu	Leu
		195					200					205			
Trp	Gly	Met	Asp	Ser	Leu	Gly	Ile	Phe	Val	Ser	Tyr	Val	Leu	Ile	Leu
	210					215						220			
His	Ser	Val	Leu	Lys	Ile	Ala	Ser	Arg	Glu	Gly	Arg	Leu	Lys	Ala	Leu
225					230					235					240
Asn	Thr	Cys	Ala	Ser	His	Ile	Cys	Ala	Val	Leu	Ile	Leu	Tyr	Val	Pro
			245					250							255
Met	Ile	Gly	Leu	Ser	Ile	Val	His	Arg	Phe	Ala	Lys	His	Ser	Ser	Pro
			260					265							270
Leu	Ile	His	Ile	Phe	Met	Ala	His	Ile	Tyr	Leu	Leu	Val	Pro	Pro	Val
		275					280					285			
Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Val	Lys	Thr	Lys	Gln	Ile	Arg	Glu	Gly
	290					295					300				
Ile	Leu	His	Leu	Leu	Cys	Ser	Pro	Lys	Ile	Ser	Ser	Ile	Thr	Met	
305					310					315					

<210> 1325
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1325

Met	Pro	His	Leu	Asn	Ser	Thr	Ile	Phe	Arg	Pro	Ser	Val	Leu	Thr	Leu
1				5				10					15		
Thr	Gly	Ile	Pro	Gly	Leu	Glu	Ser	Val	Gln	Phe	Trp	Ile	Gly	Ile	Pro
			20					25					30		
Phe	Cys	Ile	Met	Tyr	Ile	Ile	Ala	Leu	Leu	Gly	Asn	Ser	Leu	Leu	Leu
		35					40					45			
Val	Val	Ile	Lys	Val	Glu	Arg	Ser	Leu	His	Glu	Pro	Met	Tyr	Leu	Phe
	50				55					60					
Leu	Ala	Met	Leu	Gly	Ala	Thr	Asp	Ile	Ser	Leu	Ser	Thr	Ser	Ile	Leu
65				70					75						80
Pro	Lys	Met	Leu	Gly	Ile	Phe	Trp	Phe	His	Leu	Ser	Thr	Ile	Tyr	Phe
			85					90						95	
Asp	Ala	Cys	Leu	Leu	Gln	Met	Trp	Leu	Ile	His	Thr	Phe	Gln	Gly	Ile
			100					105					110		
Glu	Ser	Gly	Ile	Leu	Phe	Ala	Met	Ala	Met	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Asp	Pro	Leu	Arg	His	Ala	Ser	Ile	Phe	Thr	Gln	Arg	Leu	Leu	Thr
	130					135					140				
Gln	Ile	Gly	Val	Gly	Val	Thr	Leu	Arg	Ala	Ala	Leu	Phe	Val	Ala	Pro
145					150					155					160
Cys	Leu	Phe	Leu	Ile	Lys	Cys	Arg	Leu	Lys	Phe	Tyr	Trp	Thr	Thr	Val
			165						170						175
Val	Ser	His	Ser	Tyr	Cys	Glu	His	Met	Ala	Ile	Val	Lys	Leu	Ala	Ala
		180						185					190		
Glu	Asp	Val	His	Val	Asn	Lys	Ile	Tyr	Gly	Leu	Phe	Val	Ala	Phe	Ser
	195					200						205			

Ile	Leu	Gly	Leu	Asp	Ile	Ile	Phe	Ile	Thr	Leu	Ser	Tyr	Ile	Arg	Ile
210						215					220				
Phe	Ile	Thr	Val	Phe	Lys	Leu	Pro	Gln	Lys	Glu	Ala	Arg	Leu	Lys	Ala
225					230					235					240
Phe	Asn	Thr	Cys	Val	Ala	His	Ile	Cys	Val	Phe	Leu	Glu	Phe	Tyr	Leu
			245						250					255	
Leu	Ala	Phe	Phe	Ser	Phe	Phe	Thr	His	Arg	Phe	Gly	Tyr	His	Val	Pro
			260					265						270	
Ser	Tyr	Ile	His	Ile	Leu	Leu	Ser	Asn	Leu	Tyr	Leu	Leu	Val	Pro	Pro
		275					280					285			
Leu	Leu	Asn	Pro	Ile	Val	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Arg	Asp
	290					295					300				
Gln	Val	Ser	Lys	Ile	Leu	Tyr	Cys	Asn	Tyr	Ser	Tyr				
305					310						315				

<210> 1326
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1326

Met	Ser	Gly	Ala	Asn	Ser	Ser	Ser	Leu	Thr	Pro	Glu	Phe	Phe	Ile	Leu
1				5					10					15	
Asn	Gly	Val	Pro	Gly	Leu	Glu	Asp	Ala	His	Val	Trp	Ile	Ser	Leu	Pro
			20					25					30		
Phe	Cys	Phe	Met	Tyr	Met	Ile	Ala	Val	Val	Gly	Asn	Cys	Gly	Leu	Ile
		35					40					45			
Tyr	Leu	Ile	Gly	His	Glu	Glu	Ala	Leu	His	Arg	Pro	Met	Tyr	Tyr	Phe
	50					55					60				
Leu	Ala	Leu	Leu	Ser	Phe	Thr	Asp	Val	Thr	Leu	Cys	Thr	Thr	Thr	Val
65					70					75					80
Pro	Asn	Met	Leu	Cys	Ile	Phe	Trp	Phe	Asn	Phe	Lys	Lys	Ile	Gly	Phe
				85					90					95	
Asn	Ser	Cys	Leu	Val	Gln	Met	Phe	Phe	Val	His	Met	Leu	Thr	Gly	Met
			100					105					110		
Glu	Ser	Gly	Val	Leu	Met	Leu	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Tyr	Pro	Leu	Arg	Tyr	Thr	Thr	Ile	Leu	Thr	Asn	Pro	Val	Ile	Ala
	130					135					140				
Lys	Ala	Gly	Leu	Ala	Thr	Phe	Leu	Arg	Ser	Val	Met	Leu	Ile	Phe	Pro
145					150					155					160
Phe	Thr	Leu	Leu	Thr	Lys	Arg	Leu	Pro	Tyr	Cys	Arg	Gly	Ser	Leu	Ile
				165					170					175	
Pro	His	Thr	Tyr	Cys	Asp	His	Met	Ser	Val	Ala	Lys	Val	Ser	Cys	Gly
			180					185					190		
Asn	Ala	Lys	Val	Asn	Ala	Ile	Tyr	Gly	Leu	Met	Val	Ala	Leu	Leu	Ile
		195					200					205			
Gly	Val	Phe	Asp	Ile	Cys	Cys	Ile	Ser	Val	Ser	Tyr	Thr	Met	Ile	Leu
	210					215					220				
Arg	Ala	Val	Val	Ser	Leu	Ser	Ser	Ala	Asp	Ala	Arg	His	Lys	Ala	Phe
225					230					235					240
Ser	Thr	Cys	Thr	Ser	His	Ile	Cys	Ala	Ile	Val	Ile	Thr	Tyr	Val	Pro
				245					250					255	
Ala	Phe	Phe	Thr	Phe	Phe	Thr	His	Arg	Phe	Gly	Gly	His	Thr	Ile	Pro
			260					265					270		
His	His	Val	His	Ile	Ile	Val	Ala	Asn	Leu	Tyr	Leu	Leu	Leu	Pro	Pro

		275				280				285					
Thr	Met	Asn	Pro	Ile	Val	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Arg	Glu
	290					295					300				
Ser	Val	Ile	Lys	Phe	Leu	Leu	Gly	Asp	Lys	Met	Gly	Ile	Thr		
305					310					315					

<210> 1327
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1327

Met	Pro	Asn	Ile	Asn	Leu	Leu	Gln	Asn	Ala	Pro	Ser	Asn	Ile	Thr	Glu
1				5					10					15	
Ala	His	Pro	Leu	Ser	Phe	Leu	Leu	Leu	Gly	Ile	Pro	Gly	Leu	Glu	Ala
			20					25					30		
Thr	Gln	Phe	Trp	Leu	Gly	Phe	Pro	Phe	Cys	Val	Val	Tyr	Leu	Thr	Ala
		35					40					45			
Leu	Val	Gly	Asn	Leu	Ile	Ile	Leu	Phe	Val	Ile	Trp	Thr	Asp	Arg	Thr
	50				55					60					
Phe	His	Gln	Pro	Met	Phe	Tyr	Phe	Leu	Ala	Met	Leu	Ser	Val	Ile	Asp
65				70					75					80	
Leu	Ser	Leu	Ser	Thr	Ala	Thr	Ile	Pro	Lys	Met	Leu	Gly	Ile	Phe	Trp
			85					90						95	
Phe	Ser	Leu	Gln	Glu	Leu	Cys	Phe	Ala	Cys	Cys	Val	Ala	Gln	Val	Phe
			100					105					110		
Phe	Ile	His	Phe	Phe	Thr	Val	Met	Glu	Ser	Ile	Val	Leu	Leu	Ala	Met
		115					120					125			
Gly	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	Arg	Tyr	Thr	Thr
	130					135					140				
Ile	Leu	Thr	Asn	Arg	Ile	Ile	Val	Val	Ile	Ala	Val	Leu	Val	Val	Ile
145				150					155					160	
Arg	Ser	Leu	Cys	Met	Ile	Val	Pro	Ile	Ile	Phe	Leu	Leu	Leu	Arg	Leu
			165					170						175	
Pro	Tyr	Cys	Gly	His	Arg	Ile	Ile	Pro	His	Thr	Tyr	Cys	Glu	His	Met
		180						185					190		
Gly	Val	Ala	Arg	Leu	Ala	Cys	Ala	Ser	Ile	Arg	Ala	Asn	Ile	Tyr	Phe
	195					200						205			
Gly	Leu	Gly	Asn	Ile	Ser	Ile	Leu	Phe	Leu	Asp	Val	Phe	Leu	Ile	Ile
	210					215					220				
Val	Ser	Tyr	Ala	Arg	Ile	Leu	Tyr	Ala	Val	Phe	His	Leu	Pro	Ser	Gln
225				230					235					240	
Asp	Ala	Arg	Leu	Lys	Ala	Leu	Asn	Thr	Cys	Ser	Ser	His	Ile	Cys	Val
			245					250						255	
Ile	Leu	Ala	Phe	Phe	Gly	Pro	Ala	Leu	Phe	Ser	Phe	Leu	Thr	His	Arg
		260					265						270		
Phe	Gly	His	Asn	Ile	Pro	Gln	Tyr	Ile	His	Ile	Leu	Leu	Ala	Asn	Leu
	275					280						285			
Tyr	Val	Val	Ile	Pro	Pro	Ala	Leu	Asn	Pro	Val	Ile	Tyr	Gly	Ile	Arg
	290					295					300				
Thr	Lys	Gln	Ile	Gln	Gln	Arg	Val	Lys	Asn	Leu	Phe	Val			
305					310					315					

<210> 1328
 <211> 319

<212> PRT

<213> Mus musculus

<400> 1328

Met	Ala	Pro	Ser	Asn	Ser	Ser	Val	Ser	Val	Ser	Ser	Thr	Phe	Tyr	Leu
1				5					10					15	
Thr	Gly	Ile	Pro	Gly	Tyr	Glu	Glu	Phe	His	His	Trp	Ile	Ser	Ile	Pro
			20					25					30		
Phe	Cys	Leu	Ile	Tyr	Ile	Ile	Gly	Val	Thr	Gly	Asn	Cys	Ser	Ile	Leu
		35					40					45			
His	Ile	Val	Arg	Thr	Asp	Pro	Lys	Leu	His	Glu	Pro	Met	Tyr	Tyr	Phe
	50					55					60				
Leu	Ala	Met	Leu	Ser	Leu	Thr	Asp	Met	Ala	Met	Ser	Leu	Pro	Ala	Met
65					70					75					80
Val	Ser	Leu	Phe	Arg	Val	Leu	Trp	Ser	Ile	Ser	Arg	Glu	Ile	Gln	Phe
				85					90					95	
Asn	Ile	Cys	Val	Val	Gln	Met	Phe	Leu	Ile	His	Thr	Phe	Ser	Phe	Thr
			100					105					110		
Glu	Ser	Ser	Val	Leu	Leu	Ala	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	His	Pro	Leu	Arg	Tyr	Ala	Thr	Ile	Leu	Thr	Pro	Lys	Leu	Ile	Ala
	130					135					140				
Lys	Ile	Gly	Ile	Ala	Ala	Leu	Leu	Arg	Ser	Ala	Ile	Pro	Leu	Ile	Pro
145					150					155					160
Leu	Leu	Val	Arg	Leu	Ala	Phe	Phe	Ser	Phe	Cys	Arg	Ser	His	Val	Leu
				165					170					175	
Ser	His	Ser	Tyr	Cys	Leu	His	Gln	Asp	Ile	Ile	Arg	Leu	Ala	Cys	Ala
			180					185					190		
Asp	Ile	Arg	Phe	Asn	Val	Ile	Tyr	Gly	Met	Val	Val	Ile	Leu	Met	Leu
	195						200					205			
Trp	Gly	Met	Asp	Ser	Leu	Gly	Ile	Leu	Ile	Thr	Tyr	Val	Phe	Ile	Leu
	210					215					220				
His	Ser	Val	Leu	Arg	Ile	Ala	Ser	Arg	Glu	Gly	Arg	Leu	Lys	Ala	Leu
225					230					235					240
Asn	Thr	Cys	Ala	Ser	His	Ile	Cys	Ala	Val	Leu	Ile	Leu	Tyr	Val	Pro
				245					250					255	
Met	Ile	Gly	Leu	Ser	Ile	Val	His	Arg	Phe	Ala	Lys	His	Ser	Ser	Pro
		260						265					270		
Phe	Val	His	Ile	Phe	Met	Ala	His	Ile	Tyr	Leu	Met	Val	Pro	Pro	Val
	275						280					285			
Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Val	Lys	Thr	Lys	Gln	Ile	Arg	Gln	Gly
	290					295					300				
Ile	Phe	His	Leu	Ile	Cys	Pro	His	Lys	Ile	Asn	Ser	Ser	Ala	Met	
305					310					315					

<210> 1329

<211> 317

<212> PRT

<213> Mus musculus

<400> 1329

Met	Val	Gly	Phe	Asn	Ser	Asn	Glu	Ser	Ser	Ala	Thr	Tyr	Phe	Ile	Leu
1				5					10					15	
Ile	Gly	Leu	Pro	Gly	Leu	Glu	Glu	Val	Gln	Phe	Trp	Leu	Ala	Phe	Pro
			20					25					30		
Leu	Cys	Ser	Leu	Tyr	Leu	Ile	Ala	Val	Leu	Gly	Asn	Leu	Thr	Ile	Ile

	35					40				45					
Tyr	Ile	Val	Arg	Thr	Glu	His	Ser	Leu	His	Glu	Pro	Met	Tyr	Ile	Phe
50						55					60				
Leu	Cys	Met	Leu	Ser	Gly	Leu	Asp	Ile	Leu	Ile	Ser	Thr	Ser	Ser	Met
65					70					75					80
Pro	Lys	Met	Met	Ala	Ile	Phe	Trp	Phe	Asn	Ser	Thr	Thr	Ile	Gln	Phe
				85					90					95	
Asp	Ala	Cys	Leu	Val	Gln	Met	Phe	Ala	Ile	His	Ser	Leu	Ser	Gly	Met
			100					105					110		
Glu	Ser	Thr	Val	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	His	Pro	Leu	Arg	His	Ala	Thr	Val	Leu	Thr	Leu	Pro	Arg	Val	Ala
	130					135					140				
Lys	Ile	Gly	Met	Ala	Ala	Val	Val	Arg	Gly	Ala	Val	Leu	Met	Ala	Pro
145					150					155					160
Leu	Pro	Val	Phe	Ile	Lys	Arg	Leu	Pro	Phe	Cys	Arg	Ser	Asn	Ile	Leu
				165					170					175	
Ser	His	Ser	Tyr	Cys	Leu	His	Gln	Asp	Val	Met	Lys	Leu	Ala	Cys	Ala
			180					185					190		
Asp	Ile	Arg	Val	Asn	Ile	Ile	Tyr	Gly	Leu	Ile	Val	Ile	Ile	Ser	Ala
		195					200					205			
Ile	Gly	Leu	Asp	Ser	Leu	Leu	Ile	Ser	Phe	Ser	Tyr	Leu	Leu	Ile	Leu
	210					215					220				
Lys	Thr	Val	Leu	Gly	Leu	Thr	Arg	Glu	Ala	Gln	Ala	Lys	Ala	Phe	Gly
225					230					235					240
Thr	Cys	Val	Ser	His	Val	Cys	Ala	Val	Phe	Ile	Phe	Tyr	Val	Pro	Phe
				245					250					255	
Ile	Gly	Leu	Ser	Met	Val	His	Arg	Phe	Ser	Lys	Arg	Arg	Asp	Ser	Leu
		260						265					270		
Leu	Pro	Val	Ile	Met	Ala	Asn	Ile	Tyr	Leu	Leu	Val	Pro	Pro	Val	Leu
		275					280					285			
Asn	Pro	Ile	Val	Tyr	Gly	Val	Lys	Thr	Lys	Glu	Ile	Arg	Gln	Arg	Ile
	290					295					300				
Leu	Arg	Leu	Phe	Leu	Val	Thr	Thr	His	Thr	Ser	Asp	His			
305					310						315				

<210> 1330
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1330

Met	Pro	Ser	Phe	Asn	Glu	Ser	Thr	Ala	Tyr	Pro	Pro	Val	Phe	Phe	Leu
1				5					10					15	
Thr	Gly	Ile	Pro	Gly	Leu	Glu	Thr	Ser	His	Thr	Trp	Ile	Ser	Ile	Pro
			20					25					30		
Phe	Cys	Cys	Leu	Tyr	Ala	Ile	Ala	Ile	Ser	Gly	Asn	Ser	Met	Ile	Leu
	35						40				45				
Phe	Val	Ile	Ile	Thr	Glu	Ser	Ser	Leu	His	Glu	Pro	Met	Tyr	Tyr	Phe
	50					55					60				
Leu	Ser	Met	Leu	Ser	Phe	Thr	Asp	Leu	Gly	Leu	Cys	Leu	Ser	Thr	Leu
65					70					75					80
Val	Thr	Val	Leu	Gly	Ile	Phe	Trp	Phe	Asn	Val	Arg	Glu	Ile	Ser	Phe
				85					90					95	
Asp	Ala	Cys	Ile	Gly	Gln	Met	Phe	Phe	Ile	His	Gly	Phe	Thr	Phe	Met
			100					105					110		

Glu	Ser	Ser	Val	Leu	Leu	Val	Met	Ala	Phe	Asp	Arg	Phe	Ile	Ala	Ile
	115						120					125			
Cys	Asn	Pro	Leu	Arg	Tyr	Ala	Met	Ile	Leu	Thr	Asn	Ser	Arg	Ile	Ile
	130					135					140				
Ala	Val	Gly	Phe	Ala	Ile	Ile	Ile	Arg	Gly	Thr	Thr	Ala	Leu	Val	Pro
145					150					155					160
Leu	Leu	Leu	Leu	Leu	Lys	Arg	Leu	Ser	Phe	Cys	Arg	Ser	His	Val	Leu
				165					170					175	
His	His	Ser	Tyr	Cys	Phe	His	Pro	Asp	Val	Met	Lys	Leu	Ser	Cys	Ser
		180						185					190		
Asp	Thr	Arg	Ile	Asn	Ser	Ala	Phe	Gly	Leu	Ala	Ile	Val	Ile	Ser	Thr
	195						200					205			
Ala	Gly	Leu	Asp	Ser	Val	Leu	Ile	Leu	Leu	Ser	Tyr	Val	Leu	Ile	Ile
	210					215					220				
His	Ser	Val	Leu	Cys	Ile	Ala	Ser	Lys	Glu	Glu	Arg	Lys	Lys	Ala	Phe
225					230					235					240
Gly	Thr	Cys	Val	Ser	His	Leu	Ser	Ala	Val	Ala	Ile	Phe	Tyr	Ile	Pro
				245					250					255	
Met	Ile	Ser	Leu	Ser	Leu	Val	His	Arg	Phe	Gly	Lys	His	Ala	Pro	Pro
		260						265					270		
Phe	Val	His	Thr	Leu	Ile	Ala	Asn	Val	Tyr	Leu	Leu	Ile	Pro	Pro	Val
	275						280					285			
Met	Asn	Pro	Ile	Ile	Tyr	Ser	Val	Lys	Thr	Lys	Gln	Ile	Arg	Lys	Ala
	290					295					300				
Met	Leu	Lys	Val	Phe	Phe	Val	Lys	Pro	Ser						
305					310										

<210> 1331
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1331

Met	Leu	Ile	Leu	Asn	Asn	Thr	His	Ser	Gln	Leu	Pro	Thr	Phe	Leu	Leu
1				5					10					15	
Thr	Gly	Ile	Pro	Gly	Leu	Arg	Ala	Ala	Gln	Val	Trp	Ile	Ser	Ile	Pro
			20					25					30		
Phe	Cys	Leu	Leu	Tyr	Val	Ile	Ala	Leu	Ser	Gly	Asn	Ser	Met	Ile	Leu
	35						40					45			
Leu	Val	Ile	Val	Arg	Glu	Gln	Ser	Leu	His	Glu	Pro	Met	Tyr	Tyr	Phe
	50					55					60				
Leu	Ser	Met	Leu	Ser	Ile	Thr	Asp	Leu	Ser	Leu	Ser	Leu	Cys	Thr	Leu
65					70					75					80
Ser	Thr	Thr	Leu	Gly	Val	Leu	Trp	Phe	Glu	Ala	Arg	Glu	Ile	Asn	Leu
				85					90					95	
Asn	Ala	Cys	Ile	Ala	Gln	Met	Phe	Phe	Leu	His	Gly	Phe	Thr	Phe	Met
		100						105					110		
Glu	Ser	Gly	Val	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Ile
	115						120					125			
Cys	Asp	Pro	Leu	Arg	Tyr	Thr	Thr	Ile	Leu	Thr	Asn	Ala	Arg	Ile	Ala
	130					135					140				
Gln	Ile	Gly	Thr	Ile	Val	Leu	Ile	Arg	Asn	Val	Ala	Val	Met	Leu	Pro
145					150					155					160
Val	Val	Leu	Phe	Val	Lys	Arg	Leu	Ser	Phe	Cys	Ser	Ser	Leu	Val	Leu
				165					170					175	
Ser	His	Ser	Tyr	Cys	Tyr	His	Val	Asp	Val	Ile	Gln	Leu	Ser	Cys	Thr

Ile	Gly	Leu	Ser	Met	Ile	Arg	Arg	Tyr	Gly	Gln	Asn	Ala	Ser	Pro	Ile
			260					265					270		
Val	His	Val	Ile	Met	Ala	Asn	Val	Tyr	Leu	Leu	Val	Pro	Pro	Leu	Met
		275					280					285			
Asn	Pro	Ile	Val	Tyr	Ser	Val	Lys	Thr	Lys	Gln	Ile	Arg	Asp	Arg	Ile
	290					295					300				
Leu	Arg	Lys	Leu	Lys	Lys	Gln	Lys	Val							
305					310										

<210> 1333
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1333

Met	Ala	Asp	His	Asn	His	Ser	Gln	Ser	Gln	His	Leu	Tyr	Phe	Ile	Leu
1				5					10					15	
Thr	Gly	Ile	Pro	Gly	Leu	Glu	Gln	Lys	Tyr	Tyr	Trp	Met	Ala	Phe	Pro
			20					25					30		
Leu	Gly	Ala	Ile	Tyr	Val	Ile	Ala	Leu	Phe	Gly	Asn	Gly	Val	Ile	Ile
	35					40					45				
Ser	Thr	Ile	Lys	Ser	Glu	Ser	Ser	Leu	His	Ile	Pro	Met	Tyr	Tyr	Phe
	50				55						60				
Leu	Cys	Met	Leu	Ala	Phe	Ala	Asp	Met	Gly	Leu	Thr	Leu	Cys	Thr	Leu
65				70						75					80
Pro	Ser	Met	Leu	Gly	Ile	Phe	Trp	Phe	Asn	Tyr	Lys	Phe	Ile	Thr	Phe
			85						90					95	
Asp	Gly	Cys	Leu	Val	Gln	Met	Tyr	Phe	Ile	His	Thr	Phe	Ser	Ala	Ile
			100					105					110		
Glu	Ser	Gly	Val	Leu	Val	Ala	Met	Ala	Ile	Asp	Arg	Val	Ile	Ala	Ile
		115					120					125			
Trp	Ser	Pro	Leu	Arg	Tyr	Gly	Thr	Ile	Leu	Thr	Asn	Gly	Val	Val	Cys
	130					135					140				
Lys	Ile	Gly	Met	Leu	Ile	Leu	Ser	Arg	Ala	Val	Cys	Val	Val	Phe	Pro
145				150						155					160
Val	Pro	Phe	Leu	Ile	Lys	Arg	Leu	Pro	Phe	Tyr	Arg	Ser	Asn	Ile	Leu
			165						170					175	
Ser	His	Ser	Phe	Cys	Leu	His	Gln	Asp	Val	Met	Arg	Leu	Ala	Cys	Ala
		180						185					190		
Ser	Thr	Arg	Val	Asn	Ser	Leu	Tyr	Gly	Leu	Ile	Ala	Val	Ile	Phe	Thr
	195					200						205			
Lys	Gly	Ser	Asp	Ser	Leu	Ser	Ile	Leu	Ile	Ser	Tyr	Val	Phe	Ile	Leu
	210				215					220					
Arg	Thr	Val	Met	Ala	Ile	Ala	Ser	Gly	Glu	Gly	Arg	Leu	Lys	Ala	Leu
225				230						235					240
Asn	Thr	Cys	Val	Ser	His	Ile	Cys	Ala	Val	Leu	Ile	Phe	Tyr	Val	Pro
			245					250						255	
Leu	Ile	Gly	Val	Ser	Val	Ile	His	Arg	Phe	Gly	Lys	His	Leu	Ser	Pro
		260						265					270		
Leu	Thr	His	Ala	Leu	Met	Ala	Asn	Ala	Tyr	Leu	Leu	Val	Pro	Pro	Val
		275					280						285		
Leu	Asn	Pro	Ile	Val	Tyr	Thr	Val	Lys	Thr	Lys	Glu	Ile	Arg	Lys	Lys
	290					295					300				
Ile	Ile	Gln	Ile	Phe	Ile	Arg	Thr	Lys	Ile	Thr	Thr	Glu	Gly		
305					310					315					

<210> 1334
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1334

Met	Val	Ala	Ser	Ser	Asn	Ser	Ser	Ser	His	Pro	Leu	Phe	Phe	Met	Leu
1				5					10					15	
Leu	Gly	Ile	Pro	Gly	Leu	Glu	Asn	Tyr	Gln	Phe	Trp	Ile	Ala	Phe	Pro
			20					25					30		
Phe	Cys	Val	Met	Tyr	Ile	Val	Ala	Leu	Thr	Gly	Asn	Ile	Thr	Ile	Leu
		35					40					45			
Tyr	Ile	Ile	Arg	Ile	Asp	His	Thr	Leu	His	Glu	Pro	Met	Tyr	Leu	Phe
	50					55					60				
Leu	Ala	Leu	Leu	Ala	Ile	Thr	Asp	Leu	Val	Leu	Ser	Ser	Ser	Thr	Gln
65					70					75					80
Pro	Lys	Met	Leu	Ala	Ile	Leu	Trp	Phe	His	Ser	His	Glu	Ile	Glu	Tyr
				85					90					95	
Asn	Ala	Cys	Leu	Ile	Gln	Val	Phe	Phe	Ile	His	Ala	Phe	Ser	Ser	Val
			100					105					110		
Glu	Ser	Gly	Val	Leu	Met	Thr	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Phe	Pro	Leu	Arg	His	Ser	Ser	Ile	Leu	Thr	Thr	Ser	Val	Val	Ile
	130					135					140				
Lys	Leu	Gly	Ala	Ala	Val	Met	Val	Arg	Gly	Leu	Leu	Trp	Val	Ser	Pro
145					150					155					160
Phe	Cys	Phe	Met	Val	Ser	Arg	Met	Pro	Phe	Cys	Pro	Asn	Lys	Val	Ile
				165					170					175	
Pro	Gln	Ser	Tyr	Cys	Glu	His	Met	Ala	Val	Leu	Lys	Leu	Val	Cys	Ala
			180					185					190		
Asp	Thr	Arg	Val	Asn	Arg	Gly	Tyr	Gly	Leu	Phe	Val	Ala	Phe	Ser	Val
		195					200					205			
Val	Gly	Phe	Asp	Ile	Ile	Val	Ile	Ser	Val	Ser	Tyr	Val	Met	Ile	Leu
	210					215					220				
Arg	Ala	Val	Leu	Arg	Leu	Pro	Ser	Gly	Glu	Ala	Arg	Leu	Lys	Ala	Phe
225					230					235					240
Gly	Thr	Cys	Ala	Ser	His	Val	Cys	Val	Ile	Leu	Ala	Phe	Tyr	Ile	Pro
				245					250					255	
Ala	Leu	Phe	Thr	Phe	Leu	Thr	His	Arg	Phe	Gly	His	His	Val	Pro	Arg
			260					265					270		
Val	Val	His	Ile	Met	Phe	Ala	Asn	Phe	Tyr	Leu	Leu	Val	Pro	Pro	Met
		275					280					285			
Leu	Asn	Pro	Ile	Ile	Tyr	Gly	Val	Arg	Thr	Lys	Gln	Ile	Arg	Asp	Arg
	290					295					300				
Val	Ile	Arg	Gly	Phe	Arg	Arg	Lys	Asp	Pro						
305						310									

<210> 1335
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1335

Met	Leu	Gln	Met	Gln	Asp	Asn	Thr	Glu	Phe	Leu	Ser	Asn	Phe	Thr	Ser
1				5					10					15	

Lys Leu Ser Thr Phe Leu Leu Thr Gly Ile Pro Gly Leu Glu Ser Ala
 20 25 30
 His Gly Trp Ile Ser Ile Pro Phe Cys Cys Leu Tyr Ala Thr Ala Leu
 35 40 45
 Ser Gly Asn Ser Met Ile Leu Phe Ile Ile Val Thr Gln His Ser Leu
 50 55 60
 His Glu Pro Met Tyr Tyr Phe Leu Ser Val Leu Ser Ala Thr Asp Leu
 65 70 75 80
 Gly Leu Thr Phe Ser Thr Met Ser Thr Thr Leu Arg Ile Leu Trp Phe
 85 90 95
 Gln Ala Asn Glu Ile Ser Leu Asp Leu Cys Ile Val Gln Met Phe Phe
 100 105 110
 Leu His Gly Phe Thr Cys Thr Glu Ser Gly Val Leu Val Ala Met Ala
 115 120 125
 Phe Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu Arg Tyr Thr Met Ile
 130 135 140
 Leu Thr Asn Ser Arg Ile Ile Gln Ile Gly Phe Leu Val Ile Met Arg
 145 150 155 160
 Thr Leu Leu Leu Ile Ile Pro Leu Leu Leu Leu Lys Pro Val Ser
 165 170 175
 Phe Cys Lys Arg Asn Thr Leu Ser His Ser Tyr Cys Tyr Tyr Pro Asp
 180 185 190
 Val Ile Lys Leu Ala Cys Ser Asp Thr Arg Ala Asn Asn Ile Cys Gly
 195 200 205
 Leu Val Asp Leu Ile Leu Thr Thr Gly Leu Asp Ile Pro Cys Ile Val
 210 215 220
 Leu Ser Tyr Ile Leu Ile Ile Arg Ser Val Leu Asn Ile Ala Ser Ser
 225 230 235 240
 Glu Glu Arg His Lys Ala Phe Ser Thr Cys Val Ser His Ile Ala Ala
 245 250 255
 Val Ala Val Phe Tyr Ile Pro Met Phe Ser Leu Ser Leu Val His Arg
 260 265 270
 Tyr Gly Arg Ser Val Pro Lys Val Val His Thr Met Met Ala Asn Val
 275 280 285
 Tyr Leu Leu Leu Pro Pro Val Leu Asn Pro Ile Ile Tyr Ser Val Lys
 290 295 300
 Thr Lys Gln Ile Arg Lys Ala Ile Leu Ser Leu Leu Phe Ala Lys
 305 310 315

<210> 1336
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1336
 Met Ser Thr Leu Glu Asn Thr Thr Ala Ser Ser Ile Ile Phe Leu Leu
 1 5 10 15
 Thr Gly Met Pro Gly Leu Glu Ala Phe His Thr Trp Ile Ser Ile Pro
 20 25 30
 Phe Cys Phe Leu Tyr Ala Thr Ala Leu Ser Gly Asn Ser Leu Ile Leu
 35 40 45
 Phe Ala Ile Ile Thr Gln Pro Ser Leu His Glu Pro Thr Tyr Tyr Phe
 50 55 60
 Leu Ser Met Leu Ser Thr Thr Asp Leu Gly Leu Ser Ile Ser Thr Leu
 65 70 75 80
 Ala Thr Met Leu Gly Ile Phe Trp Leu Asn Ala Arg Glu Ile Ser Phe

Leu Ser Leu His Leu Pro Leu Pro Ile Leu Leu Ala Arg Met Pro Tyr
 165 170 175
 Cys Arg Pro Gln Val Leu Thr His Ser Tyr Cys Leu His Pro Asp Met
 180 185 190
 Ala Arg Leu Ala Cys Pro Glu Ala Trp Gly Ala Val Tyr Ser Leu Val
 195 200 205
 Val Val Leu Ser Ala Met Ala Leu Asp Pro Leu Leu Ile Phe Phe Ser
 210 215 220
 Tyr Gly Leu Ile Gly Arg Ala Leu Gln Gly Val Gly Ser Ala Glu Asp
 225 230 235 240
 Arg Trp Lys Ala Gly Gln Thr Cys Ala Ala His Leu Ser Ala Val Leu
 245 250 255
 Leu Phe Tyr Ile Pro Met Ile Leu Leu Ala Leu Ile Asp Arg Phe Lys
 260 265 270
 Leu Pro Leu Pro Pro Pro Ala His Thr Leu Leu Ser Tyr Val His Phe
 275 280 285
 Leu Leu Pro Pro Leu Met Asn Pro Val Leu Tyr Ser Val Lys Met Lys
 290 295 300
 Glu Ile Arg Glu Lys Ile Leu Lys Arg Leu Leu Pro Thr Lys Val Gly
 305 310 315 320
 Cys Ala

<210> 1338
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1338
 Met Gly Ala Glu Asn Asn Glu Ser Leu Asp Leu Leu Ser Ile Phe Leu
 1 5 10 15
 Thr Gly Ile Pro Gly Leu Glu Ala Gln His Gly Trp Leu Ser Ile Pro
 20 25 30
 Phe Phe Ile Met Tyr Ile Val Ala Ile Val Gly Asn Ser Leu Ile Met
 35 40 45
 Ile Ala Val Gln Gln Glu Ser Ala Leu His Glu Pro Met Tyr Leu Phe
 50 55 60
 Leu Ser Met Leu Ala Ile Thr Glu Val Gly Val Ser Val Ser Thr Leu
 65 70 75 80
 Pro Thr Val Met Gly Ile Leu Trp Phe Asn Ala Tyr Arg Ile Asp Phe
 85 90 95
 Asp Gly Cys Leu Ala Gln Met Phe Phe Ile His Thr Phe Ser Gly Met
 100 105 110
 Glu Ser Gly Val Leu Leu Ala Met Ser Tyr Asp Arg Phe Val Ala Ile
 115 120 125
 Tyr Asn Pro Leu Arg Tyr Thr Ala Ile Leu Thr Leu Pro Arg Ile Ile
 130 135 140
 Ser Met Gly Leu Gly Ile Thr Leu Lys Ser Val Ala Leu Met Ala Pro
 145 150 155 160
 Leu Pro Ile Leu Leu Lys Gln Leu Pro Tyr Cys His Ile Asn Ile Leu
 165 170 175
 Ser His Ser Tyr Cys Leu His Ser Asp Leu Ile Gln Leu Pro Cys Ala
 180 185 190
 Asp Thr Arg Leu Asn Ser Ile Leu Gly Leu Ala Ile Val Leu Ala Thr
 195 200 205
 Phe Gly Leu Asp Ser Leu Leu Ile Val Val Ser Tyr Gly Leu Ile Leu

210		215		220
Tyr Thr Val Met Gly Ile	Ala Ser Gly Glu Gly	Arg Lys Lys Thr Leu		
225	230	235	240	
Asn Thr Cys Val Ser His Ile Cys Ala Val Leu Ile Tyr Tyr Val Pro				
	245	250	255	
Met Ile Gly Val Ser Val Met His Arg Val Ala Lys His Ala Ser Pro				
	260	265	270	
Val Val His Thr Leu Met Ser Ser Ile Tyr Leu Phe Val Pro Pro Val				
	275	280	285	
Leu Asn Pro Ile Ile Tyr Ser Val Lys Thr Arg Pro Ile Gln Gln Gly				
	290	295	300	
Ile Ala Asn Leu Phe Ser Cys Lys Lys Gly Ser Ile				
305	310	315		

<210> 1339
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1339

Met Val Gly Asn Ile Thr His Gln Gln Ile Ala Ser Phe Phe Leu Val				
1	5	10	15	
Gly Ile Pro Gly Leu Glu Asn Val His Cys Trp Ile Gly Ile Ser Val				
	20	25	30	
Cys Leu Leu Phe Val Leu Thr Leu Leu Gly Asn Ser Ile Val Ile Ala				
	35	40	45	
Thr Ile Lys Leu Glu Pro Ser Leu His Gln Pro Met Tyr Phe Phe Leu				
	50	55	60	
Cys Met Leu Ala Met Asn Asp Met Cys Leu Ser Ser Ser Ala Ala Leu				
65	70	75	80	
Lys Met Leu Gly Ile Phe Trp Phe Asp Ala His Trp Ile Asn Phe Asp				
	85	90	95	
Ala Cys Leu Thr Gln Met Tyr Phe Ile His Thr Leu Cys Ile Met Glu				
	100	105	110	
Ser Ala Ile Leu Val Ala Met Ala Phe Asp Arg Phe Val Ala Ile Cys				
	115	120	125	
Ile Pro Leu His Tyr Ala Ser Ile Leu Thr Thr Ser Met Val Ile Lys				
	130	135	140	
Leu Gly Leu Val Gly Leu Met Arg Cys Val Leu Met Val Leu Pro Cys				
145	150	155	160	
Pro Ile Leu Ile Lys Arg Leu Pro Tyr Tyr Thr Lys Tyr Val Ile Pro				
	165	170	175	
His Thr Tyr Cys Glu His Met Ala Val Val Lys Leu Ala Ser Ala Asn				
	180	185	190	
Thr Leu Ile Asn Arg Ala Tyr Gly Ile Ser Val Ala Leu Ser Val Ile				
	195	200	205	
Thr Val Asp Leu Gly Leu Ile Ala Thr Ser Tyr Val Lys Ile Leu Gln				
	210	215	220	
Ser Val Phe Arg Leu Ser Ser Gln Asn Ala Arg Ser Lys Ala Leu Gly				
225	230	235	240	
Thr Cys Ala Ala His Val Cys Thr Ile Leu Val Ser Tyr Ile Pro Ala				
	245	250	255	
Leu Phe Ser Phe Leu Ser His Arg Ile Gly Lys Lys Val Pro Pro Ser				
	260	265	270	
Val His Ile Ile Phe Ala Ser Met Tyr Leu Leu Val Pro Ser Ala Val				
	275	280	285	

Asn	Pro	Val	Val	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Arg	Asp	Arg	Val
290						295					300				
Ile	Asp	Leu	Phe	Phe	Thr	His	Lys	Lys	Phe	Ser	Glu	Lys			
305					310					315					

<210> 1340
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1340

Met	Ser	Tyr	Ser	Asn	His	Ser	Ser	Thr	Ser	Phe	Phe	Leu	Thr	Gly	Leu
1				5				10					15		
Pro	Gly	Leu	Glu	Thr	Val	Tyr	Leu	Trp	Leu	Ser	Ile	Pro	Leu	Cys	Thr
		20					25					30			
Met	Tyr	Ile	Ala	Ser	Leu	Ala	Gly	Asn	Gly	Leu	Ile	Leu	Trp	Val	Val
	35					40					45				
Lys	Ser	Glu	Pro	Ser	Leu	His	Gln	Pro	Met	Tyr	Tyr	Phe	Leu	Ser	Met
	50				55					60					
Leu	Ala	Val	Thr	Asp	Leu	Gly	Leu	Ser	Val	Ser	Thr	Leu	Pro	Thr	Met
65				70					75					80	
Leu	Thr	Ile	Tyr	Met	Gly	Val	Ser	Glu	Val	Ala	Leu	Asp	Met	Cys	
		85					90					95			
Leu	Ala	Gln	Leu	Phe	Phe	Ile	His	Thr	Phe	Ser	Ile	Met	Glu	Ser	Ser
	100						105					110			
Val	Leu	Leu	Thr	Met	Ala	Phe	Asp	Arg	Val	Val	Ala	Ile	Ser	Ser	Pro
	115					120						125			
Leu	His	Tyr	Ala	Thr	Ile	Leu	Thr	Asn	Pro	Arg	Val	Ala	Ser	Leu	Gly
	130				135					140					
Met	Val	Ile	Leu	Val	Arg	Ser	Ile	Gly	Leu	His	Ile	Pro	Ala	Pro	Ile
145				150					155					160	
Met	Leu	Lys	Lys	Leu	Pro	Tyr	Cys	Gln	Lys	Arg	His	Leu	Ser	His	Ser
		165					170					175			
Tyr	Cys	Leu	His	Pro	Asp	Val	Met	Lys	Leu	Ala	Cys	Thr	Asp	Thr	Arg
	180						185					190			
Ile	Asn	Ser	Ala	Tyr	Gly	Leu	Phe	Val	Val	Leu	Ser	Thr	Leu	Gly	Val
	195				200							205			
Asp	Ser	Val	Leu	Ile	Val	Leu	Ser	Tyr	Gly	Leu	Ile	Leu	Tyr	Thr	Val
	210				215					220					
Leu	Ser	Ile	Ala	Ser	Lys	Thr	Glu	Arg	Leu	Lys	Ala	Leu	Asn	Thr	Cys
225				230					235					240	
Val	Ser	His	Ile	Cys	Ser	Val	Leu	Leu	Phe	Tyr	Thr	Pro	Met	Ile	Gly
		245						250						255	
Leu	Ser	Met	Ile	His	Arg	Phe	Gly	Lys	Trp	Ala	Ser	Pro	Cys	Ser	Arg
	260						265					270			
Val	Leu	Leu	Ser	Tyr	Leu	His	Phe	Leu	Thr	Pro	Pro	Val	Leu	Asn	Pro
	275					280						285			
Val	Val	Tyr	Thr	Ile	Lys	Thr	Lys	Gln	Ile	Arg	Gln	Arg	Ile	Trp	Cys
	290				295					300					
Ile	Phe	Arg	Cys	Gly	Gly	Arg	Ser	Ile	Gly	His	Ile	Gln	Gly	His	
305				310					315						

<210> 1341
 <211> 315
 <212> PRT

<213> Mus musculus

<400> 1341

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Met Ala Ile Ser Lys His Ser Asn Ala Ser Ser Phe Phe Phe Ile Leu
 1          5          10          15
-Met Asp Leu Pro Gly Leu Glu Thr Ser His Cys Trp Thr Ala Ile Pro
 20          25          30
Ile Cys Leu Ile Tyr Val Leu Ser Val Leu Gly Asn Ile Thr Ile Met
 35          40          45
His Ile Val Lys Ser Val Pro Ser Leu His Thr Pro Met Tyr Leu Phe
 50          55          60
Leu Ser Met Leu Ser Met Ala Asp Leu Gly Leu Ser Ala Ser Thr Leu
 65          70          75          80
Pro Ser Met Val Ala Val Phe Leu Leu Gly Gln Arg Met Ile Gly Ala
 85          90          95
Val Ala Cys Phe Met Gln Leu Phe Phe Ile His Thr Phe Ser Val Ile
100          105          110
Glu Ser Ala Val Leu Leu Ala Met Ala Phe Asp Arg Cys Val Ala Ile
115          120          125
Arg Glu Pro Leu Arg Tyr Ala Thr Ile Leu Thr Thr Arg Arg Ile Gly
130          135          140
Ala Ile Gly Leu Ala Val Val Ile Arg Ser Ala Ala Leu His Leu Pro
145          150          155          160
Leu Pro Val Leu Leu Gly Arg Leu Thr Phe Gln Pro Val Ser Ala Leu
165          170          175
Ser His Ser Tyr Cys Val His Pro Asp Val Leu Arg Leu Ser Cys Ser
180          185          190
Ser Thr Leu Val Asn Ser Gly Phe Gly Leu Phe Val Met Leu Ser Thr
195          200          205
Leu Gly Met Asp Ala Val Leu Ile Leu Leu Ser Tyr Val Leu Ile Leu
210          215          220
Lys Thr Val Leu Ser Ile Ala Ser Asn Ala Glu Arg Leu Lys Ala Phe
225          230          235          240
Asn Thr Cys Ile Ser His Ile Cys Ala Val Leu Leu Phe Tyr Thr Pro
245          250          255
Leu Val Ser Leu Ser Met Ile His Arg Phe Gly Lys Lys Lys Leu Pro
260          265          270
Ala Gln Val Tyr Met Leu Leu Ser Tyr Leu His Phe Leu Met Pro Pro
275          280          285
Met Leu Asn Pro Ile Val Tyr Ser Val Lys Thr Lys Glu Ile Arg Val
290          295          300
Arg Ile Leu Lys Met Leu His Pro Lys Lys His
305          310          315
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<210> 1342

<211> 313

<212> PRT

<213> Mus musculus

<400> 1342

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Met Ser Glu Phe Asn Thr Thr Phe Gln Pro Ser Val Phe Ile Leu Thr
 1          5          10          15
Gly Leu Arg Gly Leu Val Gly Ala Arg Leu Trp Leu Gly Pro Leu Leu
 20          25          30
Ser Leu Met Tyr Ile Thr Thr Leu Ala Gly Asn Cys Thr Val Ile Tyr
 35          40          45
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Leu	Val	Arg	Thr	Glu	Arg	Ser	Leu	Gln	Glu	Pro	Gln	Tyr	Gln	Phe	Leu
50						55					60				
Ser	Met	Leu	Ala	Gly	Ala	Asp	Ile	Val	Leu	Ser	Val	Ser	Thr	Leu	Phe
65					70					75					80
Ser	Val	Leu	Lys	Val	Phe	Ile	Phe	Asp	Leu	Tyr	Glu	Ile	Ala	Phe	Asp
			85						90					95	
Ser	Cys	Leu	Ala	Gln	Leu	Phe	Phe	Ile	His	Thr	Ser	Ser	Ser	Met	Gly
			100					105						110	
Ser	Gly	Ile	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Ile	Ser
		115					120					125			
His	Pro	Leu	Gln	Tyr	Thr	Thr	Ile	Leu	Thr	Asn	Ser	Arg	Val	Thr	Arg
	130					135					140				
Met	Gly	Leu	Ala	Ala	Phe	Leu	Arg	Gly	Val	Ala	Leu	Met	Met	Pro	Leu
145					150					155					160
Pro	Ile	Leu	Leu	Lys	Arg	Leu	Pro	Phe	Cys	Lys	Gly	Gln	Leu	Leu	Ser
				165					170					175	
Tyr	Ser	Tyr	Cys	Ile	His	Pro	Asn	Val	Met	Lys	Leu	Ala	Cys	Gly	Gln
			180				185						190		
Val	Lys	Ile	Asn	Ile	Phe	Tyr	Gly	Leu	Val	Leu	Val	Ile	Phe	Ser	Phe
	195						200					205			
Gly	Val	Asp	Phe	Leu	Leu	Ile	Ala	Ile	Ser	Tyr	Ala	Leu	Ile	Phe	Gln
	210					215					220				
Ala	Val	Met	Gly	Ile	Ala	Ser	Arg	Glu	Gly	Gln	Met	Lys	Ala	Leu	Asn
225					230					235					240
Thr	Cys	Leu	Ser	His	Ile	Phe	Ile	Val	Phe	Ile	Tyr	Tyr	Gly	Pro	Leu
				245					250					255	
Leu	Ala	Ile	Thr	Val	Met	His	Arg	Ile	Ser	Arg	Arg	Ser	Ser	Pro	Ile
			260					265						270	
Ala	His	Ala	Val	Leu	Gly	Asn	Ile	Tyr	Leu	Phe	Met	Pro	Pro	Met	Leu
	275						280					285			
Asn	Pro	Ile	Val	Tyr	Ser	Leu	Lys	Thr	Lys	Gln	Ile	Arg	Ser	Ala	Leu
	290					295					300				
Arg	Lys	Ser	Leu	Lys	Ile	Gln	Arg	Arg							
305					310										

<210> 1343
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1343

Met	Thr	Thr	Leu	Asn	Tyr	Thr	Val	Val	Ser	His	Thr	Val	Phe	His	Leu
1				5					10				15		
Leu	Gly	Ile	Pro	Gly	Leu	Glu	Asp	Gln	His	Met	Trp	Ile	Ser	Ile	Pro
			20					25					30		
Phe	Phe	Ile	Ser	Tyr	Ile	Thr	Ala	Leu	Leu	Gly	Asn	Ser	Leu	Leu	Ile
		35					40					45			
Phe	Ile	Ile	Leu	Thr	Arg	Pro	Ser	Leu	His	Gly	Pro	Met	Tyr	Leu	Phe
	50					55				60					
Leu	Cys	Met	Leu	Ala	Gly	Ala	Asp	Ile	Val	Leu	Ser	Thr	Ser	Thr	Val
65				70						75					80
Pro	Gln	Ala	Leu	Ser	Ile	Phe	Trp	Phe	His	Ala	Gly	Glu	Ile	Ser	Leu
				85				90					95		
Asp	Arg	Cys	Ile	Thr	Gln	Leu	Phe	Phe	Ile	His	Ser	Thr	Phe	Ile	Ser
			100					105					110		
Glu	Ser	Gly	Ile	Leu	Leu	Val	Met	Ala	Phe	Asp	Arg	Tyr	Ile	Ala	Ile

His	Leu	Pro	Glu	Thr	Val	Val	Phe	Phe	Phe	Ser	Ala	Thr	Asn	Leu	Phe
	195						200					205			
Phe	Ser	Met	Ile	Ile	Val	Leu	Ile	Ser	Tyr	Phe	Asn	Ile	Val	Leu	Ala
	210					215					220				
Ile	Leu	Arg	Ile	Arg	Ser	Ser	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Met	Met	Ala	Val	Thr	Val	Phe	Tyr	Gly	Thr	Leu	Leu
			245						250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Arg	Thr	Asn	His	Ser	Leu	Asp	Thr	Asp	Lys
		260						265					270		
Ile	Ala	Ser	Val	Phe	Tyr	Thr	Leu	Ile	Ile	Pro	Met	Leu	Asn	Pro	Val
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Cys	Ala	Leu	Lys	Glu	Phe
	290				295						300				
Leu	Lys	Asn	Pro	Met	Gln	Lys	Ile	Gln	Ser	Tyr	Met	Asn	Leu		
305					310					315					

<210> 1345
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1345

Met	Gly	Gly	Glu	Ala	His	Asn	Ser	Ser	Gly	Leu	Pro	Pro	Phe	Ile	Leu
1				5					10					15	
Thr	Gly	Leu	Pro	Gly	Met	Glu	Thr	Ser	Gln	His	Trp	Leu	Phe	Leu	Leu
			20					25					30		
Leu	Gly	Val	Leu	Tyr	Thr	Val	Ser	Ile	Val	Gly	Asn	Ala	Leu	Ile	Leu
	35					40					45				
Phe	Ile	Ile	Lys	Glu	Glu	Glu	Ser	Leu	His	Gln	Pro	Met	Tyr	Tyr	Phe
	50				55					60					
Leu	Ser	Leu	Leu	Ser	Leu	Asn	Asp	Leu	Gly	Val	Ser	Phe	Ser	Thr	Leu
65					70				75						80
Thr	Thr	Val	Leu	Gly	Val	Phe	Cys	Phe	Leu	Leu	Arg	Glu	Ile	Ser	Phe
			85					90					95		
Asn	Ser	Cys	Met	Ser	Gln	Met	Phe	Phe	Ile	His	Leu	Phe	Ser	Phe	Met
		100					105						110		
Glu	Ser	Gly	Ile	Leu	Leu	Ala	Met	Ser	Phe	Asp	Arg	Tyr	Val	Ala	Ile
	115					120						125			
Cys	Asn	Pro	Leu	His	Tyr	Ser	Thr	Val	Leu	Thr	Asp	Ala	Arg	Val	Met
	130					135					140				
Trp	Met	Gly	Val	Cys	Val	Phe	Phe	Arg	Ser	Phe	Cys	Met	Ile	Phe	Pro
145				150						155					160
Leu	Pro	Phe	Leu	Leu	Lys	Arg	Leu	Pro	Phe	Cys	Lys	Ala	Asn	Val	Leu
			165						170					175	
Ser	His	Ala	Tyr	Cys	Leu	His	Pro	Asp	Met	Ile	Arg	Leu	Pro	Cys	Gly
		180						185					190		
Asp	Ile	Thr	Ile	Asn	Asn	Ile	Phe	Gly	Leu	Phe	Ile	Val	Ile	Ser	Thr
	195					200						205			
Phe	Gly	Leu	Asp	Ser	Ala	Leu	Ile	Leu	Leu	Ser	Tyr	Val	Leu	Ile	Leu
	210					215					220				
Arg	Ser	Val	Leu	Ala	Ile	Ala	Ser	Arg	Glu	Glu	Arg	Leu	Lys	Thr	Leu
225					230					235					240
Asn	Thr	Cys	Val	Ser	His	Leu	Cys	Ala	Val	Leu	Ile	Phe	Tyr	Val	Pro
			245						250					255	
Met	Val	Gly	Val	Ser	Met	Ala	Ala	Arg	Tyr	Gly	Arg	His	Ala	Pro	Arg

<210> 1347
 <211> 320
 <212> PRT
 <213> Mus musculus

<400> 1347
 Met Ser Ser Cys Asn Phe Thr His Ala Thr Phe Leu Leu Ile Gly Ile
 1 5 10 15
 Pro Gly Leu Glu Glu Ala His Phe Trp Phe Gly Phe Pro Leu Leu Ser
 20 25 30
 Met Tyr Ala Val Ala Leu Phe Gly Asn Cys Ile Val Val Phe Ile Val
 35 40 45
 Arg Thr Glu Arg Ser Leu His Ala Pro Met Tyr Leu Phe Leu Cys Met
 50 55 60
 Leu Ala Ala Ile Asp Leu Ala Leu Ser Thr Ser Thr Met Pro Lys Ile
 65 70 75 80
 Leu Ala Leu Phe Trp Phe Asp Ser Arg Glu Ile Thr Phe Asp Ala Cys
 85 90 95
 Leu Ala Gln Met Phe Phe Ile His Thr Leu Ser Ala Ile Glu Ser Thr
 100 105 110
 Ile Leu Leu Ala Met Ala Phe Asp Arg Tyr Val Ala Ile Cys His Pro
 115 120 125
 Leu Arg His Ala Ala Val Leu Asn Asn Thr Val Thr Val Gln Ile Gly
 130 135 140
 Met Val Ala Leu Val Arg Gly Ser Leu Phe Phe Phe Pro Leu Pro Leu
 145 150 155 160
 Leu Ile Lys Arg Leu Ala Phe Cys His Ser Asn Val Leu Ser His Ser
 165 170 175
 Tyr Cys Val His Gln Asp Val Met Lys Leu Ala Tyr Thr Asp Thr Leu
 180 185 190
 Pro Asn Val Val Tyr Gly Leu Thr Ala Ile Leu Leu Val Met Gly Val
 195 200 205
 Asp Val Met Phe Ile Ser Leu Ser Tyr Phe Leu Ile Ile Arg Thr Val
 210 215 220
 Leu Gln Leu Pro Ser Lys Ser Glu Arg Ala Lys Ala Phe Gly Thr Cys
 225 230 235 240
 Val Ser His Ile Ser Val Val Leu Ala Phe Tyr Val Pro Leu Ile Gly
 245 250 255
 Leu Ser Val Val His Arg Phe Gly Asn Ser Leu Asp Pro Ile Val His
 260 265 270
 Val Leu Met Gly Asp Val Tyr Leu Leu Pro Pro Val Ile Asn Pro
 275 280 285
 Ile Ile Tyr Gly Ala Lys Thr Lys Gln Ile Arg Thr Arg Val Leu Ala
 290 295 300
 Met Phe Lys Ile Ser Cys Asp Lys Asp Ile Glu Ala Gly Gly Asn Thr
 305 310 315 320

<210> 1348
 <211> 329
 <212> PRT
 <213> Mus musculus

<400> 1348
 Met Ser Asn Thr Ile Ser Gln Thr Met Glu Ser Pro Asn His Thr Asp
 1 5 10 15
 Leu Asp Pro Ser Ile Phe Phe Leu Leu Gly Ile Pro Gly Leu Glu Gln

Ser	Thr	Thr	Leu	Pro	Lys	Met	Leu	Ala	Ile	Phe	Trp	Leu	Arg	Ser	His
				85					90					95	
Val	Ile	Ser	Tyr	His	Gly	Cys	Leu	Thr	Gln	Met	Phe	Phe	Val	His	Ala
			100					105					110		
Val	Phe	Ala	Thr	Glu	Ser	Ala	Val	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg
		115					120					125			
Tyr	Val	Ala	Ile	Cys	Arg	Pro	Leu	His	Tyr	Thr	Ser	Ile	Leu	Asn	Ala
	130					135					140				
Val	Val	Ile	Gly	Lys	Ile	Gly	Leu	Ala	Cys	Val	Thr	Arg	Gly	Leu	Leu
145				150					155					160	
Phe	Val	Phe	Pro	Phe	Val	Ile	Leu	Ile	Glu	Arg	Leu	Pro	Phe	Cys	Gly
			165						170					175	
His	His	Ile	Ile	Pro	His	Thr	Tyr	Cys	Glu	His	Met	Gly	Ile	Ala	Lys
		180					185						190		
Leu	Ala	Cys	Ala	Ser	Ile	Lys	Pro	Asn	Thr	Ile	Tyr	Gly	Leu	Thr	Val
	195					200						205			
Ala	Leu	Ser	Val	Thr	Gly	Met	Asp	Val	Val	Leu	Ile	Ala	Thr	Ser	Tyr
	210					215					220				
Ile	Leu	Ile	Leu	Gln	Ala	Val	Leu	Arg	Leu	Pro	Ser	Lys	Asp	Ala	Gln
225				230					235					240	
Phe	Arg	Ala	Phe	Ser	Thr	Cys	Gly	Ala	His	Ile	Cys	Val	Ile	Leu	Val
			245						250					255	
Phe	Tyr	Ile	Pro	Ala	Phe	Phe	Ser	Phe	Phe	Thr	His	Arg	Phe	Gly	His
		260					265						270		
His	Val	Pro	Pro	Gln	Val	His	Ile	Leu	Ala	Asn	Leu	Tyr	Leu	Leu	
	275					280					285				
Val	Pro	Pro	Val	Leu	Asn	Pro	Leu	Val	Tyr	Gly	Ile	Asn	Thr	Lys	Gln
	290				295						300				
Ile	Arg	Leu	Arg	Ile	Leu	Asp	Phe	Phe	Val	Lys	Arg	Arg			
305				310						315					

<210> 1350
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1350

Met	Ile	Ser	Ser	Lys	Ala	Phe	Val	Asn	Ile	Thr	Phe	Phe	Gln	Pro	Gln
1				5					10					15	
Ser	Phe	Leu	Met	Thr	Gly	Ile	Pro	Gly	Leu	Glu	Phe	Ala	His	Gly	Trp
		20						25					30		
Ile	Ser	Ile	Pro	Phe	Ser	Ser	Met	Tyr	Thr	Val	Ala	Leu	Thr	Gly	Asn
	35					40						45			
Cys	Leu	Ile	Leu	Leu	Ala	Val	Arg	Arg	Thr	His	Ser	Leu	His	Gln	Pro
	50				55					60					
Met	Tyr	Tyr	Phe	Leu	Ser	Met	Leu	Ala	Leu	Ser	Asp	Val	Gly	Leu	Ser
65				70					75					80	
Leu	Ser	Thr	Leu	Pro	Ser	Thr	Leu	Ala	Val	Leu	Trp	Phe	Asp	Tyr	Arg
			85					90					95		
Phe	Ile	Asp	Phe	Asn	Ala	Cys	Leu	Ile	Gln	Met	Phe	Phe	Leu	His	Phe
	100						105						110		
Phe	Ser	Val	Val	Glu	Ser	Ser	Val	Leu	Leu	Ala	Met	Ser	Phe	Asp	Arg
	115					120					125				
Phe	Val	Ala	Ile	Ser	Asn	Pro	Leu	Arg	Tyr	Ala	Ser	Val	Leu	Thr	Asn
	130				135						140				
Asn	Val	Ile	Ile	Arg	Ile	Gly	Val	Ala	Ile	Thr	Thr	Arg	Ala	Thr	Leu

145					150					155				160
Ser	Leu	Leu	Pro	Leu	Pro	Phe	Leu	Leu	Lys	Arg	Leu	Asn	Tyr	Cys
				165					170					175
Gly	Lys	Ile	Leu	Leu	Ser	His	Ser	Phe	Cys	Phe	His	Ala	Asp	Val
			180					185					190	
Lys	Leu	Ala	Cys	Ala	Asp	Ile	Thr	Val	Asn	Ile	Leu	Tyr	Gly	Leu
	195						200				205			
Val	Val	Leu	Ser	Thr	Val	Gly	Ile	Asp	Ser	Leu	Leu	Ile	Val	Met
	210					215					220			
Tyr	Ser	Leu	Ile	Leu	His	Thr	Val	Met	Gly	Leu	Ala	Ser	Pro	Arg
225					230					235				240
Arg	Val	Arg	Thr	Leu	Asn	Thr	Cys	Val	Ser	His	Ile	Leu	Ala	Val
			245					250						255
Val	Phe	Tyr	Ile	Pro	Val	Ile	Gly	Val	Ser	Met	Ile	His	Arg	Phe
			260				265					270		
Lys	His	Leu	Pro	His	Ile	Val	His	Ala	Leu	Val	Ala	Tyr	Val	Tyr
	275					280					285			
Val	Val	Pro	Pro	Val	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Val	Lys	Ser
	290					295				300				
Pro	Ile	Arg	Gly	Ala	Met	Phe	Arg	Val	Leu	Ser	Arg	Lys	Gly	
305					310					315				

<210> 1351
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1351

Met	Ala	Leu	Phe	Asn	Val	Thr	His	Pro	Ala	Ser	Phe	Leu	Leu	Thr	Gly
1				5				10						15	
Ile	Pro	Gly	Leu	Glu	Ser	Leu	His	Pro	Trp	Leu	Ala	Gly	Pro	Leu	Cys
			20					25					30		
Val	Met	Tyr	Ala	Val	Ala	Leu	Gly	Ala	Asn	Thr	Val	Ile	Leu	Gln	Ala
	35					40					45				
Val	Arg	Val	Glu	Pro	Ile	Leu	His	Ala	Pro	Met	Tyr	Tyr	Phe	Leu	Ser
	50				55					60					
Met	Leu	Ser	Phe	Ser	Asp	Val	Ala	Met	Ser	Met	Ala	Thr	Leu	Pro	Thr
65					70				75					80	
Val	Leu	Arg	Thr	Phe	Cys	Phe	Asp	Ala	Arg	Ser	Ile	Ala	Phe	Asp	Ala
			85					90					95		
Cys	Leu	Val	Gln	Met	Phe	Leu	Ile	His	Ser	Phe	Ser	Met	Met	Glu	Ser
		100						105					110		
Gly	Ile	Leu	Leu	Ala	Met	Ser	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
	115						120					125			
Pro	Leu	His	Tyr	Ala	Thr	Val	Leu	Thr	Asn	Glu	Phe	Ile	Ala	Gly	Met
	130					135					140				
Gly	Leu	Ala	Val	Thr	Ala	Arg	Ser	Phe	Ile	Thr	Leu	Phe	Pro	Leu	Pro
145					150				155					160	
Phe	Leu	Ile	Lys	Arg	Leu	Pro	Ile	Cys	Lys	Ser	Asn	Val	Leu	Ser	His
			165					170						175	
Ser	Tyr	Cys	Leu	His	Pro	Asp	Met	Met	Lys	Leu	Ala	Cys	Ala	Asp	Ile
		180					185						190		
Thr	Ile	Asn	Ser	Ile	Tyr	Gly	Leu	Phe	Val	Leu	Val	Ser	Thr	Phe	Gly
	195					200						205			
Met	Asp	Leu	Leu	Phe	Ile	Phe	Leu	Ser	Tyr	Val	Leu	Ile	Leu	Arg	Ser
	210					215					220				

Val	Met	Ala	Ile	Ala	Ser	His	Glu	Glu	Arg	Leu	Lys	Ala	Leu	Asn	Thr
225					230					235					240
Cys	Val	Ser	His	Ile	Leu	Ala	Val	Leu	Ala	Phe	Tyr	Val	Pro	Met	Ile
				245					250					255	
Gly	Val	Ser	Thr	Val	His	Arg	Phe	Gly	Lys	His	Ala	Pro	Arg	Tyr	Ile
			260					265					270		
His	Val	Leu	Met	Ser	Asn	Val	Tyr	Leu	Phe	Val	Pro	Pro	Val	Leu	Asn
		275					280					285			
Pro	Leu	Ile	Tyr	Ser	Ala	Lys	Thr	Lys	Glu	Ile	Arg	Arg	Ala	Ile	Phe
	290					295					300				
Arg	Met	Phe	Arg	Arg	Ile	Lys	Leu								
305					310										

<210> 1352
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1352

Met	Glu	Pro	Arg	Asn	Asn	Thr	His	Ile	Leu	Glu	Phe	Phe	Leu	Leu	Gly
1				5					10					15	
Phe	Ser	Gln	Asp	Pro	Asn	Leu	Gln	Pro	Val	Ile	Cys	Gly	Leu	Phe	Leu
			20					25					30		
Ser	Met	Tyr	Leu	Ile	Thr	Val	Val	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Thr
		35				40						45			
Ile	Ile	Ser	Asp	Ala	Asn	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Val	Asp	Ile	Cys	Phe	Val	Ser	Thr	Thr	Val	Pro	Lys
65					70					75					80
Met	Leu	Val	Asn	Ile	Gln	Thr	Lys	Arg	Lys	Ser	Ile	Ser	Tyr	Ala	Asp
			85						90					95	
Cys	Ile	Thr	Gln	Met	Tyr	Phe	Phe	Leu	Ile	Phe	Val	Glu	Leu	Asp	Asn
			100					105					110		
Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
	115					120						125			
Pro	Leu	His	Tyr	Thr	Gly	Ile	Met	Asn	Arg	Arg	Leu	Cys	Gly	Phe	Leu
	130					135					140				
Val	Leu	Val	Cys	Trp	Ile	Val	Ser	Val	Leu	His	Ala	Leu	Leu	Gln	Ser
145					150					155					160
Met	Met	Val	Leu	Arg	Leu	Ser	Phe	Cys	Thr	Asp	Leu	Glu	Ile	Pro	His
			165						170					175	
Phe	Phe	Cys	Glu	Leu	Asn	Gln	Val	Ala	Gln	Leu	Thr	Cys	Ser	Asp	Thr
			180					185					190		
Phe	Leu	Asn	Asp	Val	Val	Met	Tyr	Phe	Ala	Leu	Val	Leu	Leu	Ala	Ile
	195						200					205			
Val	Pro	Leu	Phe	Gly	Ile	Leu	Tyr	Ser	Tyr	Ser	Lys	Ile	Val	Ser	Ser
	210					215					220				
Ile	Arg	Ala	Met	Ser	Thr	Val	Gln	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Phe	Thr	Gly	Leu
			245						250					255	
Gly	Val	Tyr	Leu	Ser	Ser	Ala	Val	Ser	His	Ser	Ser	Gln	Ala	Ser	Ala
			260					265					270		
Thr	Ala	Ser	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Lys	Arg	Leu

290
Leu Gly Val Lys Leu
305

295

300

<210> 1353
<211> 312
<212> PRT
<213> Mus musculus

<400> 1353
Met Pro Ser Asn Asn Glu Thr Ala Ser His Pro Ser Leu Phe His Leu
1 5 10 15
Leu Gly Ile Pro Gly Leu Glu Ala Phe His Ile Trp Ile Ala Phe Pro
20 25 30
Phe Phe Val Val Tyr Leu Ile Ala Leu Val Gly Asn Phe Thr Ile Leu
35 40 45
Cys Val Ile Lys Asn Glu Gln Ser Leu His Gln Pro Met Phe Tyr Phe
50 55 60
Leu Ala Leu Leu Ser Phe Ile Asp Leu Gly Leu Ser Thr Ser Thr Ile
65 70 75 80
Pro Lys Met Leu Gly Ile Phe Trp Phe Asn Leu Arg Glu Ile Ser Phe
85 90 95
Glu Gly Cys Leu Ile Gln Met Phe Phe Ile His Thr Tyr Thr Gly Met
100 105 110
Glu Ser Val Val Leu Leu Ala Met Ala Ile Asp Arg Phe Val Ala Ile
115 120 125
Cys Tyr Pro Leu Arg Tyr Thr Ser Val Leu Thr Asn Lys Val Val Ala
130 135 140
Val Met Ala Ser Val Val Ile Gly Arg Pro Val Leu Leu Val Ile Pro
145 150 155 160
Phe Cys Pro Leu Leu Lys Arg Leu Pro Phe Cys Gly His Tyr Ile Ile
165 170 175
Pro His Thr Tyr Cys Glu His Met Gly Ile Ala Arg Leu Ala Cys Ala
180 185 190
Asn Ile Arg Ile Asn Ile Ile Tyr Gly Leu Phe Thr Ile Ala Ala Leu
195 200 205
Ile Phe Asp Leu Ile Leu Ile Ala Phe Ser Tyr Ala Trp Ile Leu Gln
210 215 220
Ala Val Phe Arg Leu Pro Ser Arg Asp Ala Arg His Lys Ala Leu Ser
225 230 235 240
Thr Cys Gly Ser His Val Cys Val Ile Leu Ala Phe Tyr Thr Pro Ala
245 250 255
Phe Phe Ser Phe Met Thr His Arg Phe Gly Arg Asn Val Pro Arg Tyr
260 265 270
Ile His Ile Leu Leu Ala Asn Leu Tyr Val Val Val Pro Pro Cys Leu
275 280 285
Asn Pro Val Ile Tyr Gly Val Arg Thr Lys Gln Ile Arg Glu Gly Val
290 295 300
Leu Lys Ile Phe Val Lys Lys Glu
305 310

<210> 1354
<211> 317
<212> PRT
<213> Mus musculus

<400> 1354

Met	Ile	Phe	Ser	Asn	Asn	Ser	His	Leu	Leu	Pro	His	Thr	Phe	Phe	Leu
1				5					10					15	
Thr	Gly	Ile	Pro	Gly	Leu	Thr	Ala	Ala	His	Val	Trp	Ile	Ser	Leu	Pro
			20					25					30		
Phe	Cys	Phe	Met	Phe	Val	Leu	Ser	Leu	Thr	Gly	Asn	Ala	Val	Leu	Leu
		35					40					45			
Ser	Leu	Ile	Trp	Ile	Glu	His	Arg	Leu	His	Gln	Pro	Met	Phe	Leu	Phe
	50					55					60				
Leu	Ala	Met	Leu	Ser	Phe	Val	Asp	Leu	Val	Leu	Ser	Leu	Ser	Thr	Leu
65					70					75					80
Pro	Lys	Met	Leu	Ala	Ile	Phe	Trp	Phe	Gly	Ala	Thr	Ala	Ile	Ser	Ser
				85					90					95	
Tyr	Ala	Cys	Leu	Ser	Gln	Met	Phe	Leu	Ile	His	Ala	Phe	Ser	Ala	Met
			100					105					110		
Glu	Ser	Gly	Val	Leu	Val	Ala	Met	Ala	Leu	Asp	Arg	Phe	Val	Ala	Ile
		115					120					125			
Cys	Asn	Pro	Leu	His	Tyr	Ala	Thr	Ile	Leu	Thr	Pro	Glu	Val	Val	Ala
	130					135					140				
Lys	Ile	Gly	Gly	Leu	Val	Ala	Leu	Arg	Gly	Val	Gly	Leu	Thr	Ile	Phe
145					150					155					160
Phe	Pro	Ser	Leu	Ala	Cys	Arg	Leu	Ser	Tyr	Cys	Gly	Ser	His	Thr	Ile
				165					170					175	
Ala	Tyr	Thr	Tyr	Cys	Glu	His	Met	Ser	Val	Val	Lys	Leu	Ala	Cys	Gly
			180					185					190		
Ala	Ile	Thr	Val	Asp	Ser	Leu	Tyr	Ala	Phe	Ala	Val	Ala	Ile	Phe	Leu
		195					200					205			
Gly	Val	Gly	Asp	Met	Ala	Phe	Ile	Ala	Tyr	Ser	Tyr	Gly	Gln	Ile	Val
	210					215					220				
Lys	Thr	Val	Met	Arg	Phe	Pro	Ser	Pro	Glu	Ala	Arg	Gly	Lys	Ala	Gly
225					230					235					240
Ser	Thr	Cys	Thr	Ala	His	Val	Cys	Val	Ile	Leu	Phe	Phe	Tyr	Gly	Pro
				245					250					255	
Gly	Phe	Leu	Ser	Val	Val	Met	Gln	Arg	Phe	Gly	Pro	Ser	Thr	Ala	Ser
			260					265					270		
Ala	Ala	Lys	Val	Ile	Leu	Ala	Asn	Leu	Tyr	Leu	Leu	Phe	Pro	Pro	Ala
		275					280					285			
Leu	Asp	Pro	Ile	Val	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Arg	Glu	Cys
	290					295					300				
Leu	Phe	Thr	Ile	Ile	Gly	Ser	Lys	Lys	Ile	Glu	Pro	Thr			
305					310					315					

<210> 1355

<211> 312

<212> PRT

<213> Mus musculus

<400> 1355

Met	Glu	Lys	Trp	Asn	Gln	Ser	Ser	Ser	Asp	Phe	Thr	Leu	Leu	Gly	Leu
1				5					10					15	
Leu	Pro	Gln	Asn	Gln	Thr	Gly	Leu	Leu	Leu	Met	Leu	Ile	Ile	Phe	
			20					25				30			
Val	Phe	Ser	Leu	Ala	Leu	Cys	Gly	Asn	Ser	Gly	Met	Ile	His	Leu	Ile
		35					40					45			
Arg	Val	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Ser	Gln

50		55		60
Leu Ser Leu Met Asp	Leu Met Tyr Ile Ser Thr	Thr Val Pro Lys Met		
65	70	75	80	
Ala Phe Asn Phe	Leu Ser Gly Gln Lys Ser Ile Ser Phe Leu Gly Cys			
	85	90	95	
Gly Val Gln Ser	Phe Phe Leu Thr Met Ala Cys Ser Glu Gly Leu			
	100	105	110	
Leu Leu Ala Ser Met Ala Tyr Asp Arg Phe Val Ala Ile Cys His Pro				
	115	120	125	
Leu His Tyr Pro Ile Arg Met Ser Lys Ile Met Cys Leu Lys Met Ile				
	130	135	140	
Ile Gly Ser Trp Ile Leu Gly Ser Ile Asn Ser Leu Ala His Thr Val				
145	150	155	160	
Tyr Ala Leu His Ile Pro Tyr Cys His Ser Arg Ser Ile Asn His Phe				
	165	170	175	
Phe Cys Asp Val Pro Ala Met Leu Pro Leu Ala Cys Met Asp Thr Trp				
	180	185	190	
Val Tyr Glu Tyr Met Val Phe Val Ser Thr Ser Leu Phe Leu Leu Leu				
	195	200	205	
Pro Phe Leu Gly Ile Thr Ala Ser Tyr Gly Arg Val Leu Phe Ala Val				
	210	215	220	
Phe His Met Arg Ser Lys Glu Gly Lys Lys Lys Ala Phe Thr Thr Cys				
225	230	235	240	
Ser Thr His Leu Thr Val Val Thr Phe Tyr Tyr Ala Pro Phe Val Tyr				
	245	250	255	
Thr Tyr Leu Arg Pro Arg Ser Leu Arg Ser Pro Thr Glu Asp Lys Ile				
	260	265	270	
Leu Ala Val Phe Tyr Thr Ile Leu Thr Pro Met Leu Asn Pro Ile Ile				
	275	280	285	
Tyr Ser Leu Arg Asn Lys Glu Val Leu Gly Ala Met Thr Arg Val Leu				
	290	295	300	
Gly Thr Phe Pro Ser Thr Lys Pro				
305	310			

<210> 1356
 <211> 321
 <212> PRT
 <213> Mus musculus

<400> 1356

Met Tyr Ser Ile Arg Phe Thr Met Asn Met Lys Tyr Ile Asn Gln Thr				
1	5	10	15	
Val Val Ser Gly Phe Ile Leu Leu Gly Leu Thr Asp Asp Thr Lys Leu				
	20	25	30	
Gln Leu Ile Ile Phe Ser Val Phe Leu Ser Met Tyr Leu Ala Thr Val				
	35	40	45	
Ile Gly Asn Leu Leu Ile Ile Leu Ala Thr Asn Phe Asp Ser His Leu				
	50	55	60	
His Thr Pro Met Tyr Phe Phe Leu Ser Val Leu Ser Phe Asn Asp Ile				
65	70	75	80	
Phe Leu Val Thr Cys Thr Ile Pro Lys Met Leu Val Asn Ile Gln Thr				
	85	90	95	
Gly Asn Gln Asn Ile Thr Tyr Gly Gly Cys Leu Thr Gln Val Cys Phe				
	100	105	110	
Val Leu Val Ser Val Gly Met Glu Asn Cys Leu Leu Ala Met Ala				
	115	120	125	

Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His	Pro	Leu	Arg	Tyr	Arg	Ile	Ile
130						135					140				
Met	Asn	Pro	Tyr	Leu	Cys	Ile	Leu	Met	Val	Ala	Phe	Ser	Met	Ile	Gly
145					150					155					160
Ser	Met	Ala	Asn	Ala	Leu	Val	Asn	Gly	Leu	Met	Val	Leu	His	Leu	Ser
			165						170					175	
Phe	Cys	Thr	Glu	Leu	Ile	Ile	Pro	His	Phe	Phe	Cys	Glu	Leu	Thr	Gln
			180					185					190		
Ile	Thr	Lys	Leu	Ala	Cys	Ser	Asn	Thr	Leu	Ile	Asp	Asn	Ile	Leu	Ile
		195					200					205			
Tyr	Ile	Ser	Ser	Cys	Ile	Phe	Gly	Gly	Val	Pro	Leu	Ser	Gly	Ile	Ile
	210					215					220				
Leu	Ser	Tyr	Cys	Gln	Ile	Ala	Thr	Thr	Val	Leu	Arg	Met	Ser	Ser	Ser
225					230					235					240
Glu	Gly	Arg	Tyr	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Ser	Val
				245					250					255	
Val	Phe	Leu	Phe	Tyr	Gly	Thr	Gly	Phe	Gly	Val	Tyr	Ile	Ser	Ser	Thr
			260					265					270		
Ile	Thr	Glu	Ser	Ser	Arg	Lys	Ser	Ala	Val	Ala	Ser	Val	Leu	Tyr	Ser
		275					280					285			
Val	Val	Pro	Gln	Met	Ile	Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Arg
	290					295					300				
Asp	Met	Lys	Glu	Ala	Leu	Lys	Lys	Leu	Ile	Ser	Arg	Ile	Leu	Phe	Pro
305					310					315					320
Leu															

<210> 1357
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1357

Met	Gly	Thr	Phe	Asn	Ala	Ser	Leu	Gly	Lys	Gly	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Phe	Ser	Asp	Phe	Pro	Gln	Leu	Glu	Val	Phe	Leu	Phe	Val	Phe	Ile	Leu
		20						25					30		
Val	Phe	Tyr	Leu	Leu	Thr	Leu	Leu	Gly	Asn	Thr	Thr	Ile	Ile	Ala	Leu
	35					40						45			
Ser	Arg	Leu	Asp	Val	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Tyr	Thr	Thr	Ser	Thr	Val	Pro	Gln
65					70					75				80	
Leu	Leu	Ile	Asn	Leu	Cys	Gly	Leu	Asp	Arg	Thr	Ile	Ser	Tyr	Gly	Gly
			85						90					95	
Cys	Val	Ala	Gln	Leu	Leu	Ile	Phe	Leu	Ala	Leu	Val	Ser	Thr	Glu	Cys
		100						105					110		
Leu	Leu	Leu	Gly	Val	Met	Ala	Phe	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Arg
		115					120					125			
Pro	Leu	His	Tyr	Thr	Thr	Ile	Met	His	Pro	Gln	Leu	Cys	Gln	Gly	Leu
	130					135					140				
Ala	Ile	Ser	Ser	Trp	Val	Ser	Gly	Leu	Val	Asn	Ser	Val	Ile	Gln	Thr
145					150					155					160
Gly	Leu	Val	Met	Ala	Met	Pro	Leu	Cys	Ser	His	Arg	Leu	Asn	His	Phe
			165						170					175	
Phe	Cys	Glu	Met	Pro	Ile	Phe	Leu	Lys	Leu	Ala	Cys	Glu	Asp	Thr	Asn

<210> 1360
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1360
 Met Glu Ala Thr Thr Cys Asn Gly Ser Val Asp Gly Ser Thr Val Phe
 1 5 10 15
 Tyr Leu Val Gly Ile Pro Ser Leu Pro Glu Pro Phe Tyr Leu Pro Val
 20 25 30
 Phe Phe Leu Phe Leu Leu Phe Tyr Leu Leu Ile Leu Val Gly Asn Ala
 35 40 45
 Leu Ile Leu Val Ala Val Val Ala Glu Arg Ser Leu His Lys Pro Met
 50 55 60
 Tyr Phe Phe Leu Ile Asn Leu Ser Ala Leu Asp Ile Leu Phe Thr Thr
 65 70 75 80
 Thr Thr Val Pro Lys Met Leu Ser Leu Leu Leu Leu Gly Asp Arg Phe
 85 90 95
 Leu Ser Phe Pro Ala Cys Leu Leu Gln Met Tyr Leu Phe Gln Ser Phe
 100 105 110
 Thr Cys Ser Glu Ala Phe Ile Leu Val Val Met Ala Tyr Asp Arg Tyr
 115 120 125
 Val Ala Ile Cys Arg Pro Leu His Tyr Pro Val His Met Thr Pro Gln
 130 135 140
 Thr Asn Thr Ala Leu Ala Ala Ser Ala Trp Ile Thr Ala Leu Leu Leu
 145 150 155 160
 Pro Val Pro Ala Val Ile Lys Thr Ser Gln Met Val Tyr Asn Asp Ile
 165 170 175
 Ala Tyr Ile Tyr His Cys Phe Cys Asp His Leu Ala Leu Val Gln Ser
 180 185 190
 Ser Cys Ser Asp Thr Thr Pro Gln Thr Leu Met Gly Phe Cys Ile Ala
 195 200 205
 Met Val Val Ser Phe Leu Pro Leu Leu Leu Val Leu Leu Ser Tyr Val
 210 215 220
 Arg Ile Leu Thr Ser Val Leu Gln Ile Asn Ser Lys Glu Gly Arg Ser
 225 230 235 240
 Lys Ala Phe Ser Thr Cys Ser Ser His Leu Leu Val Val Gly Thr Tyr
 245 250 255
 Tyr Ser Ser Ile Ala Ile Ala Tyr Val Ala Tyr Arg Ala Asp Leu Pro
 260 265 270
 Leu Asp Phe His Ile Met Gly Asn Val Val Tyr Ser Ile Leu Thr Pro
 275 280 285
 Ile Leu Asn Pro Leu Ile Tyr Thr Leu Arg Asn Lys Asp Val Lys Ala
 290 295 300
 Ala Ile Thr Lys Ile Val Tyr Leu Lys Gly Met Met
 305 310 315

<210> 1361
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1361
 Met Glu Pro Trp Asn Ser Thr Leu Glu Ser Gly Phe Ile Leu Val Gly
 1 5 10 15

Ile	Leu	Asp	Gly	Ser	Gly	Ser	Pro	Glu	Leu	Leu	Cys	Ala	Thr	Val	Thr
			20					25					30		
Thr	Leu	Tyr	Met	Leu	Ala	Leu	Ile	Ser	Asn	Gly	Leu	Leu	Leu	Leu	Val
		35					40					45			
Ile	Thr	Val	Asp	Ala	Arg	Leu	His	Val	Pro	Met	Tyr	Leu	Leu	Leu	Arg
	50					55					60				
Gln	Leu	Ser	Leu	Ile	Asp	Leu	Leu	Phe	Thr	Ser	Val	Val	Thr	Pro	Asn
65					70					75					80
Thr	Val	Val	Asp	Phe	Leu	Leu	Arg	Asp	Asn	Thr	Ile	Ser	Phe	Glu	Gly
				85					90					95	
Cys	Ala	Leu	Gln	Leu	Phe	Ser	Ala	Met	Thr	Leu	Gly	Gly	Ala	Glu	Asp
			100					105					110		
Leu	Leu	Leu	Ala	Phe	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	Asn	Tyr	Met	Ile	Phe	Met	Ser	Pro	Lys	Ala	Cys	Arg	Leu	Met
	130					135					140				
Val	Ala	Ile	Ser	Trp	Ile	Leu	Ala	Ser	Leu	Ser	Ala	Leu	Gly	His	Thr
145					150					155					160
Val	Tyr	Thr	Met	His	Phe	Pro	Phe	Cys	Met	Ser	Gln	Glu	Ile	Arg	His
				165					170					175	
Leu	Leu	Cys	Glu	Val	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr
			180					185					190		
Ser	Gln	Tyr	Glu	Leu	Met	Val	Tyr	Val	Thr	Gly	Val	Ile	Phe	Leu	Leu
	195						200					205			
Leu	Pro	Leu	Ser	Ala	Ile	Ile	Thr	Ser	Tyr	Ser	Leu	Ile	Leu	Phe	Thr
	210					215					220				
Val	Leu	His	Met	Pro	Ser	Asn	Glu	Gly	Arg	Lys	Lys	Ala	Leu	Val	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Thr	Val	Val	Gly	Met	Phe	Tyr	Gly	Gly	Ala	Thr
			245						250					255	
Phe	Met	Tyr	Val	Leu	Pro	Ser	Ser	Phe	His	Ser	Pro	Lys	Gln	Asp	Asn
			260					265					270		
Ile	Ile	Ser	Val	Phe	Tyr	Thr	Ile	Val	Thr	Pro	Ala	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ile	Gly	Ala	Val	Arg	Arg	Val
	290				295						300				
Leu	Gly	Arg	His	Ile	Leu	Pro	Ala	His	Ala	Thr	Val				
305					310					315					

<210> 1362

<211> 315

<212> PRT

<213> Mus musculus

<400> 1362

Met	Trp	Ile	Asn	Asn	Gln	Ser	Ser	Val	Asp	Asp	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Phe	Ser	Asp	Arg	Pro	Trp	Leu	Glu	Thr	Pro	Leu	Phe	Val	Ile	Phe	Leu
			20					25				30			
Val	Ala	Tyr	Ile	Phe	Ala	Leu	Phe	Gly	Asn	Ile	Ser	Ile	Ile	Leu	Val
		35					40					45			
Ser	Arg	Leu	Asp	Pro	Gln	Leu	Asp	Ser	Pro	Met	Tyr	Phe	Phe	Val	Ser
	50					55					60				
Asn	Leu	Ser	Leu	Leu	Asp	Leu	Cys	Tyr	Thr	Thr	Ser	Thr	Val	Pro	Gln
65					70					75					80
Met	Leu	Val	Asn	Leu	Arg	Gly	Pro	Glu	Lys	Thr	Ile	Ser	Tyr	Gly	Gly

Val	Ile	Phe	Leu	Leu	Lys	Arg	Leu	Pro	Phe	Cys	Arg	Thr	Asn	Ile	Val
			165						170					175	
Pro	His	Ser	Tyr	Cys	Glu	His	Ile	Gly	Val	Ala	Arg	Leu	Ala	Cys	Ala
			180					185					190		
Asp	Ile	Thr	Val	Asn	Ile	Trp	Tyr	Gly	Phe	Ser	Val	Pro	Ile	Val	Met
		195					200					205			
Val	Ile	Val	Asp	Val	Ile	Leu	Ile	Ala	Val	Ser	Tyr	Ser	Leu	Ile	Leu
	210					215					220				
Arg	Ala	Val	Phe	Arg	Leu	Pro	Ser	Gln	Asp	Ala	Arg	His	Lys	Ala	Leu
225					230					235					240
Ser	Thr	Cys	Gly	Ser	His	Leu	Cys	Val	Ile	Leu	Met	Phe	Tyr	Val	Pro
				245					250					255	
Ser	Phe	Phe	Thr	Leu	Leu	Thr	His	Arg	Phe	Gly	Arg	Asn	Ile	Pro	Arg
			260					265					270		
His	Val	His	Ile	Leu	Leu	Ala	Asn	Leu	Tyr	Val	Val	Val	Pro	Pro	Met
		275					280					285			
Leu	Asn	Pro	Ile	Val	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Arg	Glu	Gly
	290					295					300				
Val	Val	His	Trp	Phe	Leu	Asp	Ile	Lys	Thr	Leu	Cys	Cys	Ser	Ser	Pro
305					310					315					320
Leu	Gly														

<210> 1364
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1364

Met	Ser	Glu	Ala	Asn	Ser	Ser	Ser	Leu	Thr	Pro	Glu	Phe	Phe	Ile	Leu
1				5					10					15	
Asn	Gly	Ile	Arg	Gly	Leu	Glu	Asp	Ala	His	Val	Trp	Ile	Ser	Leu	Pro
			20					25					30		
Phe	Cys	Phe	Met	Tyr	Met	Ile	Ala	Val	Val	Gly	Asn	Cys	Gly	Leu	Ile
		35					40					45			
Tyr	Leu	Ile	Gly	His	Glu	Glu	Ala	Leu	His	Arg	Pro	Met	Tyr	Tyr	Phe
	50					55					60				
Leu	Thr	Leu	Leu	Ser	Phe	Thr	Asp	Ile	Thr	Leu	Cys	Thr	Thr	Thr	Val
65					70					75					80
Pro	Asn	Met	Leu	Cys	Ile	Phe	Trp	Phe	Asn	Leu	Lys	Lys	Ile	Gly	Phe
				85					90					95	
Lys	Ala	Cys	Leu	Ala	Gln	Met	Phe	Phe	Val	His	Thr	Phe	Thr	Ala	Thr
			100					105					110		
Glu	Ser	Gly	Met	Leu	Met	Leu	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Tyr	Pro	Leu	Arg	Tyr	Gly	Thr	Ile	Leu	Thr	Asn	Pro	Val	Ile	Ala
	130					135					140				
Lys	Ala	Ser	Leu	Ala	Thr	Phe	Leu	Arg	Ser	Val	Ala	Phe	Ile	Leu	Pro
145					150					155					160
Phe	Thr	Phe	Leu	Thr	Lys	Arg	Leu	Pro	Tyr	Cys	Arg	Gly	Asn	Leu	Ile
				165					170					175	
Pro	His	Ala	Tyr	Cys	Asp	His	Met	Ser	Val	Ala	Lys	Ile	Ser	Cys	Gly
		180						185					190		
Asn	Val	Lys	Ile	Asn	Ala	Val	Tyr	Gly	Leu	Leu	Val	Ala	Leu	Val	Val
	195						200					205			
Cys	Ala	Phe	Asp	Ile	Phe	Cys	Ile	Thr	Val	Ser	Tyr	Thr	Met	Ile	Leu

210	215	220
Arg Ala Val Met Asn Leu Ser Ser Ala Asp Ala Arg His Lys Ala Phe		
225	230	235
Ser Thr Cys Thr Ser His Ile Cys Ala Ile Val Ile Thr Tyr Val Pro		240
	245	250
Ala Phe Phe Asn Phe Phe Thr His Arg Phe Gly Ala His Thr Ile Pro		255
	260	265
His His Ile His Ile Ile Val Ala Asn Leu Tyr Leu Leu Leu Pro Ala		270
	275	280
Thr Met Asn Pro Ile Val Tyr Gly Val Lys Thr Gln Ala Asp Ser Gly		285
	290	295
Glu Cys Asn Gln Ile Phe		300
305	310	

<210> 1365
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1365

Met Ser Gly Ala Asn Ser Ser Ser Leu Thr Pro Glu Phe Phe Ile Leu		
1	5	10
Asn Gly Val Pro Gly Leu Glu Asp Ala His Val Trp Ile Ser Leu Pro		15
	20	25
Phe Cys Phe Met Tyr Met Ile Ala Val Val Gly Asn Cys Gly Leu Ile		30
	35	40
Tyr Leu Ile Gly His Glu Glu Ala Leu His Arg Pro Met Phe Tyr Phe		45
	50	55
Leu Ala Leu Leu Ser Phe Thr Asp Val Thr Trp Cys Thr Thr Thr Val		60
65	70	75
Pro Asn Met Leu Cys Ile Phe Trp Phe Asn Phe Lys Lys Ile Gly Phe		80
	85	90
Asn Ser Cys Leu Ala Gln Met Phe Phe Val His Met Leu Thr Gly Met		95
	100	105
Glu Ser Gly Val Leu Met Leu Met Ala Leu Asp Arg Tyr Val Ala Ile		110
	115	120
Cys Asn Pro Leu Arg Tyr Thr Thr Ile Leu Thr Asn Pro Val Ile Ala		125
	130	135
Lys Ala Cys Leu Ala Thr Phe Leu Arg Ser Val Met Leu Ile Phe Pro		140
145	150	155
Phe Thr Leu Leu Thr Lys Arg Leu Pro Tyr Cys Arg Ser Ile Leu Ile		160
	165	170
Pro His Thr Tyr Cys Asp His Met Ser Val Ala Lys Val Ser Cys Gly		175
	180	185
Asn Ala Lys Val Asn Ala Ile Tyr Gly Leu Met Val Ala Leu Leu Ile		190
	195	200
Gly Val Phe Asp Ile Cys Cys Ile Ser Val Ser Tyr Thr Met Ile Leu		205
	210	215
Arg Ala Val Val Ser Leu Ser Ser Ala Asp Ala Arg His Lys Ala Phe		220
225	230	235
Ser Thr Cys Thr Ser His Ile Cys Ala Ile Val Ile Thr Tyr Val Pro		240
	245	250
Ala Phe Phe Thr Phe Phe Thr His Arg Phe Gly Gly His Thr Ile Pro		255
	260	265
His His Val His Ile Ile Val Ala Asn Leu Tyr Leu Leu Leu Pro Pro		270
	275	280
		285

Thr	Met	Asn	Pro	Ile	Val	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Arg	Glu
	290					295					300				
Ser	Val	Ile	Lys	Phe	Leu	Leu	Gly	Asp	Lys	Met	Gly	Phe	Thr		
305					310					315					

<210> 1366
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 <212> PRT
 <213> Mus musculus

<400> 1366

Met	Ile	Lys	Phe	Asn	Gly	Ser	Val	Phe	Met	Pro	Ser	Val	Leu	Thr	Leu
1				5				10					15		
Val	Gly	Ile	Pro	Gly	Leu	Glu	Ser	Val	Gln	Cys	Trp	Ile	Gly	Ile	Pro
			20					25					30		
Phe	Cys	Val	Met	Tyr	Ile	Ile	Ala	Met	Ile	Gly	Asn	Ser	Leu	Ile	Leu
		35					40					45			
Val	Ile	Ile	Lys	Ser	Glu	Lys	Ser	Leu	His	Ile	Pro	Met	Tyr	Ile	Phe
	50					55					60				
Leu	Ala	Ile	Leu	Ala	Val	Thr	Asp	Ile	Ala	Leu	Ser	Thr	Cys	Ile	Leu
65					70					75					80
Pro	Lys	Met	Leu	Gly	Ile	Phe	Trp	Phe	His	Met	Pro	Gln	Ile	Ser	Phe
			85						90					95	
Asp	Ala	Cys	Leu	Leu	Gln	Met	Glu	Leu	Ile	His	Ser	Phe	Gln	Ala	Thr
			100					105					110		
Glu	Ser	Gly	Ile	Leu	Leu	Ala	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Asn	Pro	Leu	Arg	His	Ala	Thr	Ile	Phe	Ser	Pro	Gln	Leu	Thr	Thr
	130					135					140				
Cys	Leu	Gly	Ala	Gly	Ala	Leu	Leu	Arg	Ser	Leu	Ile	Thr	Thr	Phe	Pro
145					150					155					160
Leu	Ile	Leu	Leu	Ile	Lys	Phe	Cys	Leu	Lys	Tyr	Phe	Arg	Thr	Thr	Ile
			165						170					175	
Ile	Ser	His	Ser	Tyr	Cys	Glu	His	Met	Ala	Ile	Val	Lys	Leu	Ala	Ala
		180						185					190		
Gln	Asp	Ile	Arg	Ile	Asn	Lys	Ile	Cys	Gly	Leu	Leu	Val	Ala	Phe	Ala
	195					200						205			
Ile	Leu	Gly	Phe	Asp	Ile	Val	Phe	Ile	Thr	Phe	Ser	Tyr	Val	Arg	Ile
	210				215						220				
Phe	Ile	Thr	Val	Phe	Gln	Leu	Pro	Gln	Lys	Glu	Ala	Arg	Phe	Lys	Ala
225					230					235					240
Phe	Asn	Thr	Cys	Ile	Ala	His	Ile	Cys	Val	Phe	Leu	Gln	Phe	Tyr	Leu
			245						250					255	
Leu	Ala	Phe	Phe	Ser	Phe	Phe	Thr	His	Arg	Phe	Gly	Ala	His	Ile	Pro
		260					265						270		
Pro	Tyr	Val	His	Ile	Leu	Leu	Ser	Asp	Leu	Tyr	Leu	Leu	Val	Pro	Pro
	275						280					285			
Phe	Leu	Asn	Pro	Ile	Val	Tyr	Gly	Ile	Lys	Thr	Lys	Gln	Ile	Arg	Asp
	290					295					300				
Gln	Val	Leu	Lys	Met	Phe	Phe	Ser	Lys	Lys	Pro	Leu				
305					310					315					

<210> 1367
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 <212> PRT

<213> Mus musculus

<400> 1367

Met	Ile	Lys	Phe	Asn	Gly	Ser	Val	Phe	Met	Pro	Ser	Val	Leu	Thr	Leu
1				5					10					15	
Val	Gly	Ile	Pro	Gly	Leu	Glu	Ser	Val	Gln	Cys	Trp	Ile	Gly	Ile	Pro
			20					25					30		
Phe	Cys	Val	Met	Tyr	Ile	Ile	Ala	Met	Ile	Gly	Asn	Ser	Leu	Ile	Leu
		35					40					45			
Val	Ile	Ile	Lys	Ser	Glu	Lys	Ser	Leu	His	Ile	Pro	Met	Tyr	Ile	Phe
	50					55					60				
Leu	Ala	Ile	Leu	Ala	Val	Thr	Asp	Ile	Ala	Leu	Ser	Thr	Cys	Ile	Leu
65					70					75					80
Pro	Lys	Met	Leu	Gly	Ile	Phe	Trp	Phe	His	Met	Pro	Gln	Ile	Ser	Phe
				85					90					95	
Asp	Ala	Cys	Leu	Leu	Gln	Met	Glu	Leu	Ile	His	Ser	Phe	Gln	Ala	Thr
			100					105					110		
Glu	Ser	Gly	Ile	Leu	Leu	Ala	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile
		115					120						125		
Cys	Asn	Pro	Leu	Arg	His	Ala	Thr	Ile	Phe	Ser	Pro	Gln	Leu	Thr	Thr
	130					135					140				
Cys	Leu	Gly	Ala	Gly	Ala	Leu	Leu	Arg	Ala	Phe	Ile	Leu	Val	Ser	Pro
145					150					155					160
Ser	Ile	Leu	Leu	Ile	Lys	Cys	Arg	Leu	Lys	Tyr	Phe	Arg	Thr	Thr	Ile
			165						170					175	
Ile	Ser	His	Ser	Tyr	Cys	Glu	His	Met	Ala	Ile	Val	Lys	Leu	Ala	Ala
			180					185					190		
Gln	Asp	Ile	Arg	Ile	Asn	Lys	Ile	Cys	Gly	Leu	Leu	Val	Ala	Phe	Ala
		195					200					205			
Ile	Leu	Gly	Phe	Asp	Ile	Val	Phe	Ile	Thr	Phe	Ser	Tyr	Val	Arg	Ile
	210					215					220				
Phe	Ile	Thr	Val	Phe	Gln	Leu	Pro	Gln	Lys	Glu	Ala	Arg	Phe	Lys	Ala
225					230					235					240
Phe	Asn	Thr	Cys	Ile	Ala	His	Ile	Cys	Val	Phe	Leu	Gln	Phe	Tyr	Leu
			245						250					255	
Leu	Ala	Phe	Phe	Ser	Phe	Phe	Thr	His	Arg	Phe	Gly	Ala	His	Ile	Pro
		260						265					270		
Pro	Tyr	Val	His	Ile	Leu	Leu	Ser	Asp	Leu	Tyr	Leu	Leu	Val	Pro	Pro
	275						280					285			
Phe	Leu	Asn	Pro	Ile	Val	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Arg	Asp
	290					295					300				
Gln	Val	Leu	Lys	Met	Leu	Phe	Ser	Lys	Lys	His					
305					310					315					

<210> 1368

<211> 312

<212> PRT

<213> Mus musculus

<400> 1368

Met	Ser	Glu	Ser	Leu	Pro	Val	Thr	Leu	Phe	Leu	Thr	Gly	Ile	Pro	Gly
1				5					10					15	
Leu	Glu	Phe	Ala	His	Leu	Trp	Ile	Ala	Ile	Pro	Phe	Cys	Val	Met	Tyr
			20					25					30		
Val	Val	Ala	Leu	Leu	Gly	Asn	Ala	Ala	Leu	Ile	Leu	Ile	Ile	Gly	Thr
		35					40					45			

Glu	Ser	Val	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Cys	Leu	Leu	Ser
50						55					60				
Leu	Thr	Asp	Leu	Ala	Leu	Ser	Ser	Thr	Thr	Val	Pro	Lys	Met	Leu	Ala
65					70					75					80
Ile	Leu	Trp	Leu	His	Ser	Asn	Glu	Ile	Ser	Phe	Gly	Gly	Cys	Leu	Ala
				85					90					95	
Gln	Met	Phe	Cys	Val	His	Ser	Ile	Tyr	Ala	Leu	Glu	Ser	Ser	Val	Leu
			100					105					110		
Leu	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	Arg
		115					120					125			
Tyr	Thr	Thr	Ile	Leu	Asn	His	Thr	Val	Ile	Ala	Gln	Ile	Ile	Phe	Ala
	130					135					140				
Gly	Ile	Val	Arg	Ser	Val	Ala	Ile	Val	Ser	Pro	Phe	Ile	Phe	Leu	Leu
145					150					155					160
Arg	Arg	Leu	Pro	Tyr	Cys	Gly	His	Arg	Val	Met	Thr	His	Thr	Tyr	Cys
				165					170					175	
Glu	His	Met	Gly	Ile	Ala	Arg	Leu	Ala	Cys	Ala	Asn	Ile	Thr	Val	Asn
			180					185					190		
Ile	Val	Tyr	Gly	Leu	Thr	Val	Ala	Leu	Leu	Ala	Met	Gly	Leu	Asp	Ser
		195					200					205			
Ile	Leu	Ile	Ala	Ile	Ser	Tyr	Gly	Phe	Ile	Leu	Arg	Ala	Val	Phe	Arg
	210					215					220				
Leu	Pro	Ser	Arg	Asp	Ala	Gln	His	Lys	Ala	Leu	Ser	Thr	Cys	Gly	Ser
225					230					235					240
His	Leu	Gly	Val	Ile	Leu	Val	Phe	Tyr	Ile	Pro	Ala	Phe	Phe	Ser	Phe
				245					250					255	
Leu	Thr	His	Arg	Phe	Gly	His	Asn	Arg	Val	Pro	Lys	His	Val	His	Ile
			260					265					270		
Phe	Leu	Ala	Asn	Leu	Tyr	Val	Leu	Val	Pro	Pro	Val	Leu	Asn	Pro	Ile
		275					280					285			
Ile	Tyr	Gly	Ala	Arg	Thr	Lys	Glu	Ile	Arg	Ser	Arg	Leu	Leu	Lys	Leu
	290					295					300				
Leu	His	Leu	Gly	Lys	Asp	Leu	Val								
305						310									

<210> 1369
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1369

Met	Val	Met	His	Asn	Val	Ser	Ser	Tyr	Asn	Thr	Gly	Pro	Phe	Thr	Leu
1				5					10					15	
Ser	Gly	Ile	Pro	Gly	Leu	Glu	Gln	Tyr	His	Val	Trp	Ile	Ser	Ile	Pro
			20					25					30		
Phe	Cys	Phe	Ile	Tyr	Leu	Val	Ala	Ile	Leu	Gly	Asn	Ser	Ile	Leu	Leu
		35					40					45			
Tyr	Leu	Ile	Ala	Val	Glu	His	Ser	Leu	His	Ser	Pro	Met	Phe	Phe	Phe
	50					55					60				
Leu	Ser	Met	Leu	Ala	Met	Thr	Asp	Leu	Ile	Leu	Ser	Thr	Thr	Cys	Val
65					70					75					80
Pro	Lys	Thr	Leu	Ser	Ile	Phe	Trp	Phe	Gly	Pro	Gln	Glu	Ile	Ser	Phe
				85					90					95	
Pro	Gly	Cys	Leu	Thr	Gln	Leu	Phe	Phe	Leu	His	Tyr	Ser	Phe	Val	Leu
			100					105					110		
Asp	Ser	Ala	Ile	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile

	115		120		125										
Cys	Ser	Pro	Leu	Arg	Tyr	Thr	Thr	Ile	Leu	Thr	Pro	Lys	Thr	Ile	Val
	130					135					140				
Lys	Ile	Ala	Val	Gly	Ile	Ser	Phe	Arg	Ser	Phe	Cys	Val	Phe	Val	Pro
145					150					155					160
Cys	Val	Phe	Leu	Val	Asn	Arg	Leu	Pro	Phe	Cys	Arg	Thr	His	Ile	Ile
			165						170					175	
Ala	His	Thr	Tyr	Cys	Glu	His	Ile	Gly	Val	Ala	Arg	Leu	Ala	Cys	Ala
		180						185					190		
Asp	Ile	Ser	Ile	Asn	Ile	Trp	Tyr	Gly	Phe	Cys	Val	Pro	Ile	Met	Thr
	195					200						205			
Val	Ile	Ile	Asp	Val	Ile	Leu	Ile	Ala	Ile	Ser	Tyr	Thr	Leu	Ile	Leu
	210					215					220				
Cys	Ala	Val	Phe	Arg	Leu	Pro	Ser	Arg	Asp	Ala	Arg	Gln	Lys	Ala	Leu
225					230				235						240
Ser	Thr	Cys	Gly	Ser	His	Val	Cys	Val	Ile	Leu	Met	Phe	Tyr	Ile	Pro
			245					250						255	
Ala	Phe	Phe	Ser	Ile	Leu	Ala	His	Arg	Phe	Gly	Arg	Asn	Val	Pro	Arg
		260						265					270		
Thr	Phe	His	Ile	Met	Phe	Ala	Asn	Leu	Tyr	Val	Ile	Ile	Pro	Pro	Ala
	275					280						285			
Leu	Asn	Pro	Ile	Val	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Arg	Asp	Lys
	290					295					300				
Ala	Ile	Leu	Leu	Leu	Phe	Pro	Lys								
305					310										

<210> 1370
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 <213> Mus musculus

<400> 1370

Met	Met	Tyr	Ser	Leu	Met	Leu	Ala	Ser	Arg	Asn	Ser	Ser	Ser	His	Ser
1				5				10						15	
Thr	Phe	Phe	Ile	Leu	Leu	Gly	Ile	Pro	Gly	Leu	Glu	Asn	Tyr	Gln	Phe
		20						25					30		
Trp	Val	Ala	Phe	Pro	Phe	Cys	Val	Met	Tyr	Ile	Val	Ala	Val	Thr	Gly
	35					40						45			
Asn	Ile	Thr	Ile	Leu	His	Ile	Ile	Arg	Ile	Asp	His	Thr	Leu	His	Glu
50					55					60					
Pro	Met	Tyr	Leu	Phe	Leu	Ala	Met	Leu	Ala	Thr	Thr	Asp	Leu	Val	Leu
65					70				75					80	
Ser	Ser	Ser	Thr	Gln	Pro	Lys	Met	Leu	Ala	Ile	Leu	Trp	Phe	His	Asp
			85					90						95	
His	Lys	Ile	Glu	Tyr	His	Ala	Cys	Leu	Ile	Gln	Val	Phe	Phe	Ile	His
		100						105					110		
Ala	Phe	Ser	Ser	Val	Glu	Ser	Gly	Val	Leu	Met	Thr	Met	Ala	Leu	Asp
	115						120					125			
Arg	Tyr	Val	Ala	Ile	Cys	Phe	Pro	Leu	Arg	His	Ser	Ser	Ile	Leu	Thr
	130					135					140				
Thr	Ser	Ala	Val	Ile	Lys	Leu	Gly	Ala	Val	Val	Met	Val	Arg	Gly	Leu
145					150					155					160
Leu	Trp	Val	Ser	Pro	Phe	Cys	Phe	Met	Val	Ser	Arg	Met	Pro	Phe	Cys
			165					170						175	
Pro	Asn	Lys	Ile	Ile	Pro	Gln	Ser	Tyr	Cys	Glu	His	Met	Ala	Val	Leu
	180							185					190		

Lys	Leu	Val	Cys	Ala	Asp	Thr	Arg	Val	Asn	Arg	Gly	Tyr	Gly	Leu	Phe
	195						200					205			
Val	Ala	Phe	Ser	Val	Val	Gly	Phe	Asp	Ile	Ile	Val	Ile	Ser	Val	Ser
	210					215					220				
Tyr	Val	Met	Ile	Leu	Arg	Ala	Val	Leu	Arg	Leu	Pro	Ser	Gly	Glu	Ala
225					230					235					240
Arg	Leu	Lys	Ala	Phe	Gly	Thr	Cys	Ala	Ser	His	Ile	Gly	Val	Ile	Leu
			245						250					255	
Thr	Leu	Tyr	Ile	Pro	Ala	Leu	Phe	Thr	Phe	Leu	Thr	His	Arg	Phe	Gly
			260					265					270		
His	His	Val	Pro	Arg	Val	Val	His	Ile	Met	Phe	Ala	Asn	Val	Tyr	Leu
		275					280					285			
Leu	Val	Pro	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Gly	Val	Arg	Thr	Lys
	290					295					300				
Gln	Ile	Arg	Asp	Arg	Val	Thr	Arg	Gly	Phe	Cys	Val	Lys	Gly	Ser	
305					310					315					

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 <212> PRT
 <213> Mus musculus

<400> 1371

Met	Met	His	Ser	Leu	Met	Leu	Ala	Ser	Arg	Asn	Asn	Ser	Ser	His	Ser
1				5					10					15	
Thr	Phe	Phe	Ile	Leu	Leu	Gly	Ile	Pro	Gly	Leu	Glu	Asn	Tyr	Gln	Phe
			20					25					30		
Trp	Val	Ala	Phe	Pro	Phe	Cys	Val	Met	Tyr	Ile	Val	Ala	Val	Thr	Gly
		35				40						45			
Asn	Ile	Thr	Ile	Leu	His	Ile	Ile	Arg	Ile	Asp	His	Thr	Leu	His	Glu
	50				55					60					
Pro	Met	Tyr	Leu	Phe	Leu	Ala	Met	Leu	Ala	Thr	Thr	Asp	Leu	Val	Leu
65					70				75						80
Ser	Ser	Ser	Thr	Gln	Pro	Lys	Met	Leu	Ala	Ile	Leu	Trp	Phe	His	Asp
			85					90					95		
His	Lys	Ile	Glu	Tyr	His	Ala	Cys	Leu	Ile	Gln	Val	Phe	Phe	Ile	His
		100						105					110		
Ala	Phe	Ser	Ser	Val	Glu	Ser	Gly	Val	Leu	Met	Asp	Met	Ala	Leu	Asp
		115					120					125			
Arg	Tyr	Val	Ala	Ile	Cys	Phe	Pro	Leu	Arg	His	Ser	Ser	Ile	Leu	Thr
	130					135					140				
Thr	Ser	Val	Val	Ile	Lys	Leu	Gly	Val	Ala	Val	Met	Val	Arg	Gly	Leu
145					150					155					160
Leu	Trp	Val	Ser	Pro	Phe	Cys	Phe	Met	Val	Ser	Arg	Met	Pro	Phe	Cys
			165						170					175	
Pro	Asn	Lys	Val	Ile	Pro	Gln	Ser	Tyr	Cys	Glu	His	Met	Ala	Val	Leu
		180						185					190		
Lys	Leu	Val	Cys	Ala	Asp	Thr	Arg	Val	Asn	Arg	Gly	Tyr	Gly	Leu	Phe
		195					200					205			
Val	Ala	Phe	Ser	Val	Ala	Val	Phe	Asp	Leu	Ala	Val	Ile	Ser	Val	Ser
	210						215				220				
Tyr	Ala	Met	Ile	Leu	Arg	Ala	Val	Leu	Arg	Leu	Pro	Ser	Gly	Glu	Ala
225					230					235					240
Arg	Leu	Lys	Ala	Phe	Gly	Thr	Cys	Ala	Ser	His	Ile	Gly	Val	Ile	Leu
			245						250					255	
Thr	Leu	Tyr	Ile	Pro	Ala	Leu	Phe	Thr	Phe	Leu	Thr	His	Arg	Phe	Gly

		260						265				270					
His	His	Val	Pro	Arg	Ile	Val	His	Ile	Met	Phe	Ala	Asn	Val	Tyr	Leu		
		275					280					285					
Leu	Val	Pro	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Gly	Val	Arg	Thr	Lys		
	290					295					300						
Gln	Ile	Arg	Asp	Arg	Val	Thr	Gln	Ala	Phe	Cys	Gly	Lys	Gly	Ser			
305					310					315							

<210> 1372
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 <212> PRT
 <213> Mus musculus

<400> 1372

Met	Ile	Leu	Pro	Asn	Asp	Thr	Gln	Phe	His	Pro	Ser	Thr	Phe	Leu	Leu		
1				5				10						15			
Leu	Gly	Ile	Pro	Gly	Leu	Glu	Ser	Leu	His	Ile	Trp	Ile	Gly	Phe	Pro		
			20					25					30				
Phe	Cys	Val	Val	Tyr	Met	Ile	Ala	Leu	Leu	Gly	Asn	Leu	Thr	Ile	Leu		
	35						40					45					
Phe	Val	Ile	Lys	Thr	Glu	Ser	Ser	Leu	His	Gln	Pro	Met	Phe	Tyr	Phe		
	50					55					60						
Leu	Ala	Met	Leu	Ala	Thr	Ile	Asp	Leu	Gly	Leu	Ser	Thr	Ala	Thr	Ile		
65					70					75					80		
Pro	Lys	Met	Leu	Gly	Ile	Phe	Trp	Ile	Asn	Leu	Arg	Glu	Ile	Leu	Phe		
			85						90					95			
Glu	Asp	Cys	Leu	Ile	Gln	Met	Phe	Phe	Ile	His	Lys	Phe	Thr	Leu	Met		
			100					105					110				
Glu	Ser	Thr	Val	Leu	Leu	Ala	Met	Ala	Tyr	Asp	His	Tyr	Val	Ala	Ile		
		115					120					125					
Cys	Ile	Pro	Leu	Arg	Tyr	Ser	Thr	Ile	Leu	Thr	Asn	Lys	Val	Val	Ser		
	130					135					140						
Met	Ile	Gly	Ile	Ala	Val	Leu	Val	Arg	Ala	Ile	Ile	Phe	Val	Ile	Pro		
145					150					155					160		
Phe	Ile	Phe	Leu	Ile	Leu	Arg	Leu	Pro	Phe	Cys	Gly	His	His	Ile	Ile		
			165						170					175			
Pro	His	Thr	Tyr	Cys	Glu	His	Met	Gly	Leu	Ala	Arg	Leu	Ser	Cys	Ala		
		180						185					190				
Ser	Val	Lys	Ala	Asn	Val	Ile	Tyr	Gly	Leu	Cys	Ala	Ile	Cys	Asn	Leu		
	195					200						205					
Leu	Phe	Asp	Ile	Val	Ala	Ile	Val	Leu	Ser	Tyr	Ile	Gln	Ile	Leu	Arg		
	210					215					220						
Val	Val	Phe	His	Leu	Pro	Ser	Arg	Glu	Ala	Arg	Leu	Lys	Ser	Leu	Asn		
225					230					235					240		
Thr	Cys	Gly	Ser	His	Val	Cys	Val	Ile	Leu	Ala	Phe	Tyr	Thr	Pro	Ala		
			245						250					255			
Leu	Phe	Ser	Phe	Met	Thr	His	Arg	Phe	Gly	Arg	Asn	Val	Pro	Arg	Tyr		
		260						265					270				
Ile	His	Ile	Leu	Leu	Ala	Asn	Leu	Tyr	Val	Val	Val	Pro	Pro	Met	Leu		
	275					280						285					
Asn	Pro	Val	Ile	Tyr	Gly	Val	Arg	Thr	Lys	Gln	Ile	Tyr	Asp	Arg	Val		
	290					295					300						
Lys	Lys	Ile	Leu	Leu	Gln	Val	Arg	Gly	Lys	Glu	Lys	Glu					
305					310					315							

<210> 1373
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1373

Met	Ser	Cys	Ala	Pro	Asn	Ala	Ser	His	Ser	Pro	Ile	Phe	Leu	Leu	Leu
1				5					10				15		
Gly	Phe	Ser	Arg	Ala	Gly	Val	Pro	His	Thr	Phe	Leu	Phe	Leu	Leu	Phe
			20					25					30		
Leu	Phe	Ile	Tyr	Leu	Thr	Thr	Ile	Leu	Gly	Asn	Val	Thr	Leu	Val	Leu
		35					40					45			
Leu	Ile	Ser	Trp	Asp	Ser	Arg	Leu	His	Ser	Pro	Met	Tyr	Tyr	Leu	Leu
	50					55					60				
Arg	Gly	Leu	Ser	Met	Ile	Asp	Leu	Gly	Leu	Ser	Thr	Val	Thr	Leu	Pro
65					70					75					80
Gln	Leu	Leu	Val	His	Leu	Ser	Ser	Asp	Ser	Pro	Ala	Ile	Pro	Ala	Ala
				85					90					95	
Arg	Cys	Leu	Thr	Gln	Phe	Phe	Phe	Phe	Tyr	Ala	Phe	Gly	Val	Thr	Asp
			100					105					110		
Thr	Leu	Val	Ile	Ala	Val	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
Asp	Pro	Leu	His	Tyr	Ala	Leu	Val	Met	Asn	Arg	Gln	Ile	Cys	Ala	Arg
	130					135					140				
Leu	Leu	Ala	Leu	Ser	Trp	Val	Val	Ser	Ile	Val	His	Thr	Met	Leu	His
145					150					155					160
Val	Gly	Leu	Ile	Leu	Pro	Leu	Cys	Trp	Ala	Gly	Asp	Ala	Gly	Gly	Asn
				165					170					175	
Val	Lys	Leu	Pro	His	Phe	Phe	Cys	Asp	His	Arg	Pro	Leu	Leu	Arg	Ala
			180					185					190		
Ser	Cys	Ser	Asp	Thr	His	Ser	Asn	Glu	Leu	Ala	Ile	Phe	Leu	Glu	Gly
		195					200					205			
Gly	Phe	Leu	Met	Leu	Gly	Pro	Cys	Ser	Leu	Ile	Val	Leu	Ser	Tyr	Ala
	210					215					220				
Arg	Ile	Gly	Ile	Thr	Ile	Leu	Arg	Leu	Pro	Ser	Ala	Ala	Gly	Arg	Arg
225					230					235					240
Arg	Ala	Val	Ser	Thr	Cys	Gly	Ser	His	Leu	Thr	Met	Val	Gly	Phe	Leu
				245					250					255	
Tyr	Gly	Thr	Ile	Ile	Trp	Val	Tyr	Phe	Gln	Pro	Pro	Ser	Gln	Asn	Ser
			260					265					270		
Arg	Asn	Gln	Asp	Met	Val	Ala	Ser	Val	Met	Tyr	Thr	Ala	Ile	Thr	Pro
		275					280					285			
Leu	Ala	Asn	Pro	Phe	Val	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly
	290					295					300				
Ala	Leu	His	Arg	Leu	Leu	Arg	Gln	Gly	Arg	Val	Asp	Ser			
305					310					315					

<210> 1374
 <211> 322
 <212> PRT
 <213> Mus musculus

<400> 1374

Met	Leu	Leu	Leu	Asn	Gln	Thr	Glu	Val	Thr	Pro	Val	Ser	Phe	Ile	Leu
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Asn	Gly	Ile	Pro	Gly	Leu	Glu	Glu	Met	His	Ile	Trp	Ile	Ser	Phe	Pro

Thr	Ile	Pro	Lys	Thr	Leu	Cys	Ile	Phe	Trp	Phe	His	Leu	Lys	Glu	Ile
				85					90					95	
Gly	Phe	Asp	Asp	Cys	Leu	Val	Gln	Met	Phe	Phe	Ile	His	Thr	Phe	Thr
			100					105					110		
Gly	Met	Glu	Ser	Gly	Val	Leu	Met	Leu	Met	Ala	Leu	Asp	Arg	Tyr	Val
		115					120					125			
Ala	Ile	Cys	Tyr	Pro	Leu	Arg	Tyr	Ser	Thr	Ile	Leu	Thr	Asn	Pro	Ile
	130					135					140				
Ile	Ala	Lys	Ile	Gly	Leu	Ala	Thr	Phe	Leu	Arg	Gly	Val	Leu	Leu	Ile
145					150					155					160
Ile	Pro	Phe	Thr	Phe	Leu	Thr	Lys	Arg	Leu	Pro	Tyr	Cys	Arg	Gly	Asn
				165					170					175	
Ile	Ile	Asn	His	Thr	Tyr	Cys	Asp	His	Met	Ser	Val	Ala	Lys	Leu	Ser
			180					185					190		
Cys	Gly	Asn	Val	Lys	Val	Asn	Ala	Ile	Tyr	Gly	Leu	Met	Val	Ala	Leu
		195					200					205			
Leu	Ile	Gly	Gly	Phe	Asp	Ile	Leu	Cys	Ile	Thr	Ile	Ser	Tyr	Thr	Met
	210					215					220				
Ile	Leu	Arg	Ala	Val	Val	Ser	Leu	Ser	Ser	Ala	Asp	Ala	Arg	Gln	Lys
225					230					235					240
Ala	Phe	Ser	Thr	Cys	Thr	Ala	His	Ile	Cys	Ala	Ile	Val	Phe	Ser	Tyr
				245					250					255	
Ser	Pro	Ala	Phe	Phe	Ser	Phe	Phe	Ser	His	Arg	Phe	Gly	Gly	His	Thr
			260					265					270		
Ile	Pro	Pro	Ser	Cys	His	Ile	Ile	Val	Ala	Asn	Ile	Tyr	Leu	Leu	Leu
		275					280					285			
Pro	Pro	Thr	Met	Asn	Pro	Val	Val	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile
	290					295					300				
Arg	Asp	Cys	Val	Ile	Arg	Ile	Leu	Ser	Gly	Ser	Lys	Asp	Ser	Lys	Ala
305					310					315					320
His	Gly	Ile													

<210> 1376
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1376															
Met	Pro	Ile	Met	Ala	Thr	Phe	Asn	Leu	Ser	Ser	Phe	Asn	Pro	Gly	Phe
1				5					10					15	
Phe	Ile	Leu	Leu	Gly	Ile	Pro	Gly	Leu	Glu	Gln	Phe	His	Val	Trp	Ile
			20					25					30		
Gly	Ile	Pro	Phe	Phe	Ile	Ile	Tyr	Leu	Val	Ala	Phe	Ala	Gly	Asn	Ser
		35					40					45			
Ile	Leu	Leu	Tyr	Leu	Ile	Phe	Met	Glu	Arg	Ser	Leu	His	Glu	Pro	Met
	50					55					60				
Phe	Phe	Phe	Leu	Ser	Leu	Leu	Asp	Gly	Thr	Asp	Leu	Ile	Leu	Cys	Asn
65					70					75					80
Thr	Cys	Val	Pro	Lys	Thr	Phe	Ser	Ile	Phe	Trp	Leu	Gly	Pro	Gln	His
				85					90					95	
Ile	Thr	Phe	Pro	Gly	Cys	Leu	Thr	Gln	Met	Phe	Phe	Leu	His	Phe	Ser
			100					105					110		
Phe	Ala	Met	Asp	Ser	Ala	Ile	Leu	Leu	Ser	Met	Ala	Phe	Asp	Arg	Tyr
		115					120					125			
Val	Ala	Ile	Cys	Phe	Pro	Leu	Arg	Tyr	Thr	Thr	Ile	Leu	Thr	His	Gln

130		135		140													
Ile	Val	Ile	Lys	Ile	Val	Val	Ala	Ile	Ile	Ser	Arg	Ser	Phe	Cys	Ile		
145		150								155					160		
Ile	Phe	Pro	Cys	Val	Phe	Leu	Leu	Lys	Arg	Leu	Pro	Phe	Cys	Arg	Glu		
		165							170						175		
Leu	Val	Ile	Pro	His	Thr	Tyr	Cys	Glu	His	Ile	Gly	Ile	Ala	Arg	Leu		
		180						185					190				
Ala	Cys	Ala	Asp	Ile	Ser	Ile	Asn	Ile	Trp	Tyr	Gly	Phe	Ala	Val	Pro		
		195					200					205					
Ile	Met	Thr	Val	Met	Ser	Asp	Leu	Ile	Leu	Ile	Gly	Ile	Ser	Tyr	Thr		
	210					215					220						
Val	Ile	Leu	Arg	Ala	Val	Phe	Asn	Leu	Pro	Ser	Gln	Asp	Ala	Arg	Lys		
225					230					235					240		
Lys	Ala	Leu	Ser	Thr	Cys	Gly	Ser	His	Val	Cys	Val	Ile	Leu	Ile	Phe		
			245					250						255			
Tyr	Thr	Pro	Ala	Ile	Phe	Ser	Val	Leu	Val	His	Arg	Phe	Gly	His	Asn		
		260					265						270				
Ile	Pro	His	Ser	Phe	His	Ile	Leu	Phe	Ala	Asn	Leu	Tyr	Val	Ser	Ile		
	275					280						285					
Pro	Pro	Ala	Ile	Asn	Pro	Val	Ile	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile		
	290				295					300							
Arg	Asp	Lys	Ile	Asn	Leu	Phe	Phe	Pro	Lys	Asp	Asn	His					
305				310				315									

<210> 1377
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1377

Met	Thr	Met	Ser	Ser	Asn	His	Thr	Asn	Leu	Arg	Asp	Ile	Trp	Tyr	Thr		
1				5				10						15			
Met	Ile	Gly	Ile	Pro	Gly	Leu	Glu	Asp	Ala	His	Val	Trp	Leu	Ser	Ile		
		20					25					30					
Pro	Ile	Cys	Ser	Met	Tyr	Ile	Val	Ala	Leu	Ile	Gly	Asn	Thr	Leu	Leu		
	35					40						45					
Ile	Phe	Leu	Ile	Phe	Thr	Glu	His	Ser	Leu	His	Glu	Pro	Met	Tyr	Leu		
	50				55					60							
Phe	Leu	Ser	Met	Leu	Ala	Leu	Ala	Asp	Ile	Ile	Leu	Ser	Thr	Val	Thr		
65				70				75						80			
Thr	Pro	Lys	Val	Leu	Ala	Ile	Phe	Trp	Phe	Gln	Ala	Gly	Gly	Ile	Ser		
			85					90					95				
Phe	Thr	Ser	Cys	Val	Ser	Gln	Met	Phe	Phe	Leu	His	Phe	Met	Phe	Val		
		100					105						110				
Thr	Glu	Ser	Ala	Ile	Leu	Leu	Ala	Met	Ala	Ile	Asp	Arg	Tyr	Ile	Ala		
	115					120						125					
Ile	Cys	Phe	Pro	Leu	Arg	Tyr	Thr	Thr	Ile	Leu	Thr	Pro	Ser	Val	Ile		
	130				135						140						
Cys	Arg	Met	Gly	Ile	Ala	Ser	Val	Thr	Arg	Ser	Phe	Leu	Ile	Ile	Phe		
145				150					155						160		
Pro	Leu	Val	Phe	Leu	Val	Tyr	Arg	Leu	Asn	Tyr	Cys	Gly	Arg	Asn	Ile		
			165					170						175			
Ile	Arg	His	Ser	Tyr	Cys	Glu	His	Met	Gly	Ile	Ala	Arg	Leu	Ala	Cys		
	180					185							190				
Asp	Ser	Ile	Lys	Val	Asn	Ile	Tyr	Tyr	Gly	Met	Thr	Val	Pro	Leu	Phe		
	195					200						205					

Ser	Ile	Gly	Leu	Asp	Ile	Met	Leu	Ile	Ile	Ile	Ser	Tyr	Thr	Leu	Ile
210						215					220				
Leu	His	Thr	Val	Phe	Arg	Ile	Pro	Ser	Gln	Asn	Ala	Arg	Arg	Lys	Ala
225					230					235					240
Leu	Gly	Thr	Cys	Gly	Ser	His	Val	Cys	Val	Ile	Leu	Leu	Phe	Tyr	Thr
				245					250					255	
Pro	Ser	Leu	Phe	Thr	Phe	Phe	Ala	His	Arg	Phe	Gly	Gly	His	Thr	Ile
			260					265					270		
Pro	Arg	His	Met	His	Ile	Leu	Phe	Ala	Asn	Leu	Tyr	Val	Val	Val	Pro
		275					280					285			
Pro	Ala	Leu	Asn	Pro	Ile	Ile	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Gln
	290					295					300				
Asp	Arg	Phe	Phe	Gln	Leu	Phe	Ser	Phe	Thr	Lys	Ala	Cys	Phe		
305					310					315					

<210> 1378
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1378

Met	Pro	Ser	Cys	Asn	Asn	Ser	Ile	Pro	Gln	Pro	Leu	Ile	Phe	Ile	Leu
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Ala	Gly	Ile	Pro	Gly	Leu	Glu	Ser	Ser	His	Gly	Trp	Phe	Ser	Ile	Ser
			20					25					30		
Phe	Phe	Leu	Ile	Phe	Val	Val	Thr	Ile	Ile	Gly	Asn	Val	Thr	Ile	Leu
		35					40					45			
His	Ile	Ile	Trp	Ile	Glu	Lys	Thr	Leu	His	Glu	Pro	Met	Phe	Leu	Leu
	50					55				60					
Leu	Ala	Thr	Leu	Ser	Val	Val	Asp	Leu	Cys	Leu	Val	Thr	Val	Thr	Val
65					70					75					80
Pro	Arg	Met	Leu	Gly	Ile	Phe	Trp	Leu	Asn	Ala	Lys	Glu	Ile	Ser	Leu
			85					90					95		
Glu	Ala	Cys	Leu	Thr	Gln	Met	Phe	Phe	Ile	Pro	Ser	Phe	Tyr	Val	Met
		100					105						110		
Glu	Ser	Gly	Ile	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Phe	Ala	Ala	Ile
		115					120					125			
Trp	Tyr	Pro	Leu	Arg	Tyr	Thr	Thr	Ile	Leu	Asp	Ser	Asn	Met	Leu	Val
	130					135					140				
Lys	Met	Ala	Leu	Ala	Ile	Leu	Ala	Arg	Ala	Val	Ala	Val	Val	Thr	Pro
145					150					155					160
Ala	Pro	Ile	Leu	Thr	Lys	Arg	Leu	Glu	Arg	Phe	Gln	Thr	Gln	Val	Ile
			165					170					175		
Ser	Tyr	Ser	Tyr	Cys	Ala	Tyr	Met	Ala	Val	Val	Met	Ile	Ala	Cys	Gly
		180					185					190			
Asp	Ile	Ser	Asn	His	Ile	Val	Tyr	Gly	Leu	Met	Val	Ile	Val	Ala	Ser
	195						200					205			
Val	Gly	Ile	Asp	Leu	Phe	Leu	Val	Ile	Leu	Ser	Tyr	Thr	Leu	Ile	Leu
	210					215					220				
Arg	Ala	Val	Phe	His	Ile	Pro	Ser	Trp	Gln	Ala	Arg	Ser	Lys	Ala	Leu
225					230					235					240
Ser	Thr	Cys	Gly	Ser	His	Leu	Cys	Val	Ile	Gly	Leu	Phe	Tyr	Ser	Pro
			245					250						255	
Val	Val	Phe	Ser	Val	Leu	Ser	Gln	Ile	Leu	Gly	Tyr	His	Met	Ala	Pro
		260					265					270			
Tyr	Leu	Gln	Ile	Ile	Ile	Asp	Asn	Leu	Tyr	Phe	Leu	Val	Pro	Pro	Met

	275		280		285										
Val	Asn	Pro	Leu	Ile	Tyr	Ala	Val	Arg	Thr	Lys	Gln	Ile	Arg	Glu	Arg
	290					295					300				
Val	Leu	Arg	Ile	Leu	Asn	Cys	Glu	Arg	Lys						
305					310										

<210> 1379
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1379

Met	Ile	Arg	Arg	Gln	His	Met	Glu	Ala	Gln	Ser	Asn	Thr	Ser	Ser	Ile
1				5					10					15	
Leu	Ala	Pro	Asp	Phe	Leu	Leu	Ile	Cys	Phe	Pro	Asn	Tyr	Gln	Thr	Trp
			20					25					30		
Gln	His	Trp	Leu	Ser	Leu	Pro	Leu	Ser	Leu	Leu	Phe	Leu	Leu	Ala	Met
		35					40					45			
Gly	Ala	Asn	Ala	Thr	Leu	Leu	Ile	Thr	Ile	Arg	Met	Glu	Ala	Ser	Leu
	50					55					60				
His	Glu	Pro	Met	Tyr	Tyr	Leu	Leu	Ser	Leu	Leu	Ser	Leu	Leu	Asp	Ile
65					70					75				80	
Val	Leu	Cys	Leu	Thr	Val	Ile	Pro	Lys	Val	Leu	Ala	Ile	Phe	Trp	Phe
				85					90					95	
Asp	Asn	Lys	Ser	Ile	Gly	Phe	Ser	Ser	Cys	Phe	Leu	Gln	Met	Phe	Val
			100					105					110		
Met	Asn	Ser	Phe	Leu	Thr	Met	Glu	Ser	Cys	Thr	Phe	Met	Val	Met	Ala
		115					120					125			
Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	Gln	Tyr	Pro	Ser	Ile
	130					135					140				
Ile	Thr	Asp	Gln	Phe	Val	Val	Arg	Ala	Ala	Ile	Phe	Val	Ala	Ala	Arg
145					150					155				160	
Asn	Gly	Ile	Leu	Thr	Met	Pro	Ile	Pro	Ile	Leu	Ser	Ser	Gln	Leu	Arg
				165					170					175	
Tyr	Cys	Ala	Arg	Ile	Ile	Arg	Asn	Cys	Ile	Cys	Thr	Asn	Met	Ser	Val
			180				185						190		
Ser	Lys	Leu	Ser	Cys	Asp	Asp	Ile	Thr	Phe	Asn	Lys	Leu	Tyr	Gln	Phe
		195					200					205			
Val	Ile	Gly	Trp	Thr	Leu	Leu	Gly	Ser	Asp	Leu	Ile	Leu	Ile	Val	Leu
	210					215					220				
Ser	Tyr	Ser	Phe	Ile	Leu	Lys	Ala	Val	Leu	Arg	Ile	Lys	Ala	Glu	Gly
225					230					235				240	
Ala	Val	Ala	Lys	Ala	Leu	Ser	Thr	Cys	Gly	Ser	His	Phe	Ile	Leu	Ile
				245					250					255	
Leu	Phe	Phe	Ser	Thr	Val	Leu	Leu	Val	Leu	Val	Ile	Thr	Asn	Leu	Ala
			260					265					270		
Arg	Glu	Arg	Ile	Pro	Pro	Asp	Val	Pro	Ile	Leu	Leu	Asn	Ile	Leu	His
		275					280						285		
His	Leu	Ile	Pro	Pro	Ala	Leu	Asn	Pro	Ile	Val	Tyr	Gly	Val	Arg	Thr
	290					295					300				
Arg	Glu	Ile	Lys	Gln	Gly	Ile	Arg	Asn	Leu	Leu	Arg	Arg	Arg	Leu	
305					310					315					

<210> 1380
 <211> 315

<212> PRT

<213> Mus musculus

<400> 1380

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Met Thr Ala His Lys Asn Asp Thr Asn Pro Thr Gly Val Ser Asp Phe
 1      5      10      15
Leu Leu Asn Cys Phe Val Arg Ser Pro Ser Trp Gln Leu Trp Leu Ser
      20      25      30
Leu Pro Leu Ser Leu Leu Phe Leu Ala Met Gly Ala Asn Ala Ile
      35      40      45
Leu Leu Ile Thr Ile Arg Met Glu Ala Ser Leu His Glu Pro Met Tyr
      50      55      60
Tyr Leu Leu Ser Leu Leu Ser Met Leu Asp Ile Ile Leu Cys Leu Thr
65      70      75      80
Val Ile Pro Lys Val Leu Ala Ile Phe Trp Phe Asp Leu Arg Ala Ile
      85      90      95
Gly Phe Pro Ala Cys Phe Leu Gln Met Tyr Ile Met Asn Ser Phe Leu
      100     105     110
Ala Met Glu Ser Cys Thr Phe Met Ile Met Ala Phe Asp Arg Tyr Ile
      115     120     125
Ala Ile Cys His Pro Leu Arg Tyr Pro Ser Ile Ile Thr Asp Gln Phe
      130     135     140
Val Val Lys Ala Ala Thr Phe Ile Leu Val Arg Asn Val Leu Ile Thr
145     150     155     160
Leu Pro Ile Pro Ile Leu Ser Ala Arg Leu His Tyr Cys Gly Arg Asn
      165     170     175
Val Ile Glu Asn Cys Ile Cys Ala Asn Met Ser Val Ser Arg Leu Ser
      180     185     190
Cys Asn Asp Val Asn Val Asn Arg Leu Tyr Gln Phe Ala Ile Gly Trp
      195     200     205
Thr Leu Leu Gly Ser Asp Leu Phe Leu Ile Phe Leu Ser Tyr Thr Leu
      210     215     220
Ile Leu Arg Ala Val Leu Arg Leu Lys Ala Glu Gly Ala Val Ala Lys
225     230     235     240
Ala Leu Ser Thr Cys Gly Ser His Phe Ile Leu Ile Leu Phe Phe Ser
      245     250     255
Thr Ile Leu Leu Val Phe Ile Leu Thr His Val Ala Lys Arg Lys Val
      260     265     270
Ser Ser Asp Val Pro Ile Leu Leu Asn Val Leu His His Val Ile Pro
      275     280     285
Ala Ala Leu Asn Pro Ile Val Tyr Gly Val Arg Thr Gln Glu Ile Lys
      290     295     300
Gln Gly Ile Lys Lys Leu Leu Lys Lys Gly Trp
305     310     315
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<210> 1381

<211> 317

<212> PRT

<213> Mus musculus

<400> 1381

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Met Leu Ile Ser Asn Asn Ser Tyr Glu Ala Pro Gln Ser Phe Ile Leu
 1      5      10      15
Asn Gly Ile Pro Gly Leu Glu Ala Val His Ile Trp Ile Ser Leu Pro
      20      25      30
Leu Cys Thr Met Tyr Ile Ile Ser Leu Val Gly Asn Leu Gly Leu Val
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Phe	Leu	Leu	Thr	Ile	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
	115						120					125			
Pro	Met	Arg	Tyr	Thr	Val	Ile	Met	Asn	Tyr	Gln	Leu	Cys	Gly	Phe	Leu
	130					135					140				
Val	Leu	Val	Ser	Trp	Ile	Val	Ser	Val	Leu	His	Ala	Leu	Phe	Gln	Ser
	145				150					155					160
Leu	Met	Met	Leu	Glu	Leu	Pro	Phe	Cys	Thr	Gln	Pro	Glu	Ile	Pro	His
				165					170					175	
Phe	Phe	Cys	Glu	Pro	Asn	Gln	Val	Ile	Gln	Leu	Thr	Cys	Ser	Asp	Ala
			180					185					190		
Phe	Leu	Asn	Asp	Met	Val	Ile	Tyr	Phe	Thr	Leu	Val	Leu	Leu	Ala	Ile
	195						200					205			
Val	Pro	Leu	Ala	Gly	Val	Phe	Tyr	Ser	Tyr	Phe	Lys	Ile	Val	Ser	Ser
	210					215					220				
Ile	Arg	Ala	Met	Ser	Ser	Val	His	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr
	225				230					235					240
Cys	Ala	Ser	His	Leu	Leu	Val	Val	Ser	Leu	Phe	Tyr	Cys	Thr	Gly	Leu
				245					250					255	
Gly	Val	Tyr	Leu	Ser	Ser	Ala	Ala	Asn	His	Gly	Ser	Gln	Thr	Ser	Ala
			260					265					270		
Thr	Ala	Ser	Val	Thr	Tyr	Thr	Val	Val	Thr	Pro	Met	Met	Asn	Pro	Phe
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ser	Ala	Leu	Lys	Arg	Leu
	290				295						300				
Phe	Val	Arg	Lys	Leu											
	305														

<210> 1383
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1383

Met	Glu	Thr	Gly	Asn	Asp	Thr	Gln	Leu	Ser	Glu	Phe	Phe	Leu	Leu	Gly
1				5					10					15	
Phe	Ser	Glu	Asn	Gln	Pro	Gln	Ile	Gln	Pro	Val	Ile	Phe	Gly	Leu	Phe
			20					25					30		
Leu	Phe	Met	Tyr	Ile	Leu	Thr	Phe	Thr	Gly	Asn	Leu	Leu	Ile	Ile	Met
	35					40					45				
Ala	Ile	Ile	Val	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu
	50					55					60				
Ser	Asn	Leu	Ser	Phe	Val	Asp	Ile	Cys	Phe	Thr	Ser	Thr	Thr	Val	Pro
	65				70					75				80	
Gln	Met	Leu	Val	Asn	Ile	His	Thr	Gln	Ser	Lys	Ala	Ile	Thr	Tyr	Ala
				85					90					95	
Gly	Cys	Ile	Ile	Gln	Met	Tyr	Phe	Leu	Leu	Leu	Phe	Ser	Gly	Leu	Asp
			100					105					110		
Ile	Phe	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
	115						120					125			
His	Pro	Leu	His	Tyr	Met	Ile	Ile	Met	Ser	Thr	Arg	Arg	Cys	Gly	Leu
	130					135					140				
Met	Ile	Leu	Ala	Cys	Trp	Ile	Ile	Gly	Val	Ile	Asn	Ser	Leu	Leu	His
	145				150					155					160
Thr	Phe	Leu	Val	Leu	Arg	Leu	Ser	Phe	Cys	Thr	Asn	Leu	Glu	Ile	Pro
				165					170					175	
His	Phe	Phe	Cys	Glu	Leu	Asn	Gln	Val	Val	His	Gln	Ala	Cys	Ser	Asp

			180				185				190				
Thr	Phe	Leu	Asn	Asp	Met	Val	Ile	Tyr	Ile	Thr	Ala	Met	Leu	Leu	Ala
		195					200				205				
Val	Gly	Pro	Phe	Ser	Gly	Ile	Leu	Tyr	Ser	Tyr	Ser	Arg	Ile	Val	Ser
	210					215					220				
Ser	Ile	Cys	Ala	Ile	Ser	Ser	Val	Gln	Gly	Lys	Tyr	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Cys	Thr	Leu
				245					250					255	
Leu	Gly	Val	Tyr	Leu	Ser	Ser	Ala	Val	Thr	Gln	Asn	Ser	His	Ala	Thr
			260					265					270		
Ala	Thr	Ala	Ser	Leu	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro
		275					280					285			
Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Ile	Lys	Thr	Ala	Leu	Lys	Ile
	290					295					300				
Leu	Leu	Gly	Ser	Val	Thr	Arg	Ser	Arg	Ser	Met	Asp	Ser	Pro	Ser	
305					310					315					

<210> 1384
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1384

Met	Glu	Pro	Gly	Asn	Asp	Thr	Gln	Leu	Ser	Glu	Phe	Phe	Leu	Leu	Glu
1				5				10					15		
Leu	Ser	Glu	Asn	Gln	Pro	Gln	Ile	Gln	Pro	Leu	Ile	Phe	Gly	Leu	Phe
			20				25					30			
Leu	Ser	Met	Tyr	Leu	Val	Thr	Val	Thr	Gly	Asn	Leu	Leu	Ile	Ile	Met
		35				40					45				
Ala	Ile	Thr	Ala	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu
	50					55				60					
Ser	Asn	Leu	Ser	Phe	Val	Asp	Ile	Cys	Phe	Thr	Ser	Thr	Thr	Val	Pro
65				70				75						80	
Gln	Met	Leu	Val	Thr	Ile	His	Thr	Gln	Ser	Lys	Ala	Ile	Thr	Tyr	Ala
			85					90					95		
Asn	Cys	Ile	Thr	Gln	Val	Tyr	Phe	Leu	Leu	Phe	Ser	Val	Leu	Leu	Asp
		100					105					110			
Ile	Phe	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	His	Tyr	Val	Ala	Ile	Cys
	115					120					125				
His	Pro	Leu	His	Tyr	Met	Ile	Ile	Met	Asn	Thr	Arg	Arg	Cys	Gly	Leu
	130				135					140					
Met	Ile	Leu	Ala	Cys	Trp	Ile	Ile	Gly	Val	Ile	Asn	Ser	Leu	Leu	His
145				150					155					160	
Thr	Phe	Leu	Ala	Leu	Arg	Leu	Ser	Phe	Cys	Thr	Asp	Leu	Glu	Ile	Pro
			165					170					175		
His	Phe	Tyr	Cys	Glu	Leu	Asn	Gln	Val	Val	His	His	Ala	Cys	Ser	Asp
		180					185					190			
Ile	Ser	Leu	Asn	Asp	Met	Val	Ile	Tyr	Ile	Ala	Ala	Met	Leu	Leu	Val
	195					200						205			
Val	Gly	Pro	Leu	Ser	Gly	Ile	Leu	Tyr	Ser	Tyr	Ser	Lys	Ile	Val	Ser
	210					215					220				
Ser	Ile	Cys	Ala	Ile	Ser	Ser	Val	Gln	Gly	Lys	Tyr	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Cys	Thr	Leu
				245					250					255	

<210> 1386
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1386
 Met Arg Gly Glu Asn Ile Thr Lys Val Ser Thr Phe Ile Leu Leu Gly
 1 5 10 15
 Phe Pro Thr Ala Pro Glu Leu Gln Tyr Leu Leu Phe Leu Leu Phe Leu
 20 25 30
 Leu Ala Tyr Leu Phe Val Leu Val Glu Asn Leu Thr Ile Ile Leu Thr
 35 40 45
 Val Trp Ser Ser Ala Ser Leu His Arg Pro Met Tyr Tyr Phe Leu Gly
 50 55 60
 Ser Leu Ser Phe Leu Glu Ile Trp Tyr Val Ser Asp Ile Ile Pro Lys
 65 70 75 80
 Met Leu Asp Gly Phe Leu Leu Gln Arg Lys Arg Ile Ser Phe Ile Gly
 85 90 95
 Cys Met Thr Gln Leu Tyr Phe Phe Ser Ser Leu Val Cys Thr Glu Cys
 100 105 110
 Val Leu Leu Ala Ser Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
 115 120 125
 Pro Leu Arg Tyr Gln Val Ile Met Thr Thr Gly Leu Cys Val Gln Leu
 130 135 140
 Val Ala Phe Ser Phe Ala Ser Gly Phe Thr Ile Ser Val Ile Lys Val
 145 150 155 160
 Tyr Phe Ile Ser Ser Ala Thr Phe Cys Gly Ser Asn Val Leu Asn His
 165 170 175
 Phe Phe Cys Asp Ile Ser Pro Ile Leu Lys Leu Ala Cys Thr Asp Phe
 180 185 190
 Ser Thr Ala Glu Leu Val Asp Phe Ile Leu Ala Phe Ile Ile Leu Val
 195 200 205
 Phe Pro Leu Leu Ala Thr Ile Leu Ser Tyr Gly His Ile Thr Leu Ala
 210 215 220
 Val Leu Arg Ile Pro Ser Ala Thr Gly Arg Trp Arg Ala Phe Ser Thr
 225 230 235 240
 Cys Ala Ser His Leu Thr Val Val Thr Phe Phe Tyr Met Ala Met Ile
 245 250 255
 Phe Met Tyr Val Arg Pro Gln Ala Ile Asp Thr Arg Ser Ser Asn Lys
 260 265 270
 Leu Ile Ser Ala Val Tyr Thr Val Leu Thr Pro Met Met Asn Pro Leu
 275 280 285
 Ile Tyr Cys Leu Arg Asn Thr Glu Phe Lys Asp Ala Val Arg Arg Thr
 290 295 300
 Leu Gly Leu Gly Asn Thr Pro Gln
 305 310

<210> 1387
 <211> 323
 <212> PRT
 <213> Mus musculus

<400> 1387
 Met Ala Thr Gln Val His Arg Asn Gly Ser Leu Ser Ala Val Ser Leu
 1 5 10 15

Gln Gly Phe Val Leu Val Gly Phe Gly Gly Gly Ala Lys Thr Gln Ala
 20 25 30
 Leu Leu Phe Ala Val Phe Leu Thr Leu Tyr Val Val Thr Val Leu Gly
 35 40 45
 Asn Leu Thr Met Ile Val Val Ile Thr Leu Asp Ala Arg Leu His Ser
 50 55 60
 Pro Met Tyr Phe Phe Leu Lys Asn Leu Ser Phe Val Asp Phe Cys Tyr
 65 70 75 80
 Ser Ser Val Ile Ala Pro Lys Ala Met Thr Ile Phe Leu Ser Ser Ser
 85 90 95
 Lys Val Ile Ser Phe Ala Gly Cys Ala Thr Gln Phe Phe Phe Phe Ser
 100 105 110
 Leu Leu Val Thr Thr Glu Gly Phe Leu Leu Ala Val Met Ala Tyr Asp
 115 120 125
 Arg Phe Met Ala Ile Cys Ser Pro Leu Arg Tyr Pro Val Thr Met Cys
 130 135 140
 Pro Met Ala Cys Ala Arg Leu Val Leu Gly Thr Tyr Cys Gly Gly Cys
 145 150 155 160
 Leu Asn Ser Ile Val Gln Thr Ser Leu Thr Phe Gln Leu Pro Phe Cys
 165 170 175
 Ser Ser Asn Arg Ile Asp His Phe Tyr Cys Asp Val Pro Pro Leu Leu
 180 185 190
 Gln Leu Ala Cys Ala Asp Thr Thr Leu Asn Glu Phe Val Met Phe Gly
 195 200 205
 Ile Cys Gly Leu Ile Ile Val Ser Thr Thr Leu Val Val Leu Ile Ser
 210 215 220
 Tyr Gly Tyr Ile Thr Met Thr Ile Leu Arg Met Arg Ser Gly Ser Gly
 225 230 235 240
 Arg His Lys Val Phe Ser Thr Cys Gly Ser His Met Thr Ala Val Ser
 245 250 255
 Leu Phe Tyr Gly Thr Val Phe Val Met Tyr Ala Gln Pro Gly Ala Leu
 260 265 270
 Thr Ser Met Glu Gln Gly Lys Val Val Ser Val Phe Tyr Thr Leu Val
 275 280 285
 Ile Pro Met Leu Asn Pro Leu Ile Tyr Ser Leu Arg Asn Lys Asp Val
 290 295 300
 Lys Asp Ala Pro Arg Arg Leu Gly Gln Arg His Ser Leu Val Lys Glu
 305 310 315 320
 Asp Val Gln

<210> 1388
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1388
 Met Arg Asn His Ser Thr Val Pro Glu Phe Ile Leu Leu Gly Leu Ser
 1 5 10 15
 Ala Asp Ala Gln Val Gln Ala Leu Leu Phe Val Leu Phe Leu Val Ile
 20 25 30
 Tyr Leu Leu Thr Leu Met Gly Asn Leu Met Leu Leu Leu Val Val Lys
 35 40 45
 Val Asp Arg His Leu His Thr Pro Met Tyr Phe Phe Leu Gly Gln Leu
 50 55 60
 Ser Phe Leu Asp Leu Cys His Ser Ser Val Ser Val Pro Lys Leu Leu

65					70					75				80	
Glu	Asn	Leu	Leu	Ser	Val	Lys	Lys	Thr	Ile	Ser	Val	Glu	Gly	Cys	Leu
				85					90					95	
Ala	Gln	Val	Phe	Val	Phe	Ala	Thr	Gly	Gly	Thr	Glu	Ser	Cys	Leu	
			100					105					110		
Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ser	Ser	Pro	Leu
		115					120					125			
Leu	Tyr	Gly	Gln	Val	Met	Ser	Arg	Gln	Leu	Cys	Ala	Gly	Leu	Val	Trp
	130					135					140				
Gly	Ser	Trp	Ser	Leu	Ala	Phe	Leu	Asp	Ala	Phe	Ile	Asn	Ile	Leu	Val
145					150					155					160
Ala	Leu	Asn	Leu	Asp	Phe	Cys	Glu	Ala	Gln	Asn	Ile	His	His	Phe	Ile
				165					170					175	
Cys	Glu	Leu	Pro	Ser	Leu	Tyr	Pro	Leu	Ser	Cys	Ser	Asp	Val	Ser	Ala
			180					185					190		
Ser	Phe	Thr	Thr	Leu	Leu	Cys	Ser	Ser	Phe	Ile	His	Phe	Phe	Gly	Asn
		195					200					205			
Phe	Leu	Leu	Ile	Leu	Leu	Ser	Tyr	Ile	Arg	Ile	Leu	Leu	Thr	Ile	Leu
	210					215					220				
Gly	Ile	Ser	Ser	Ala	Ser	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Leu	Thr	Ala	Val	Ser	Phe	Phe	Tyr	Gly	Ser	Gly	Leu	Leu	Arg
				245					250					255	
Tyr	Leu	Met	Pro	Asn	Ser	Gly	Ser	Thr	Gln	Glu	Leu	Ile	Phe	Ser	Leu
			260					265					270		
Gln	Tyr	Ser	Val	Ile	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu
		275					280					285			
Lys	Asn	Lys	Glu	Val	Lys	Ala	Ala	Val	Arg	Arg	Thr	Val	Thr	Lys	Tyr
	290					295					300				
Leu	Gln	Cys	Phe	Lys											
305															

<210> 1389
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1389

Met	Leu	Asp	Met	Asn	Ile	Thr	Leu	Val	Ser	Glu	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Phe	Pro	Thr	Ala	Pro	Trp	Leu	Gln	Ile	Leu	Leu	Phe	Phe	Ile	Phe	Leu
			20					25					30		
Val	Val	Tyr	Met	Leu	Ile	Ile	Ala	Glu	Asn	Leu	Val	Ile	Ile	Phe	Thr
		35					40					45			
Val	Trp	Ser	Thr	Gly	Ser	Leu	His	Lys	Pro	Met	Tyr	Tyr	Phe	Leu	Ser
	50					55					60				
Ser	Met	Ser	Phe	Leu	Glu	Ile	Trp	Tyr	Val	Ser	Val	Thr	Val	Pro	Lys
65					70					75					80
Met	Leu	Asp	Gly	Phe	Leu	Leu	Gln	Arg	Arg	His	Ile	Ser	Phe	Thr	Gly
				85					90					95	
Cys	Met	Thr	Gln	Leu	Tyr	Phe	Phe	Ile	Ser	Leu	Ala	Cys	Thr	Glu	Cys
			100						105				110		
Val	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	Arg	Tyr	Pro	Val	Ile	Met	Thr	Thr	Val	Tyr	Cys	Met	Gln	Leu
	130					135					140				

Met	Ala	Leu	Ser	Tyr	Phe	Ser	Gly	Phe	Met	Val	Ser	Val	Val	Lys	Val
145					150				155					160	
Tyr	Phe	Ile	Ser	His	Val	Ala	Phe	Cys	Gly	Ser	Asn	Val	Met	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Ile	Ser	Pro	Ile	Leu	Lys	Leu	Ala	Cys	Lys	Asp	Met
			180					185					190		
Ser	Thr	Ala	Glu	Leu	Val	Asp	Phe	Ala	Leu	Ala	Ile	Val	Ile	Leu	Val
		195					200					205			
Phe	Pro	Leu	Ile	Thr	Thr	Val	Leu	Ser	Tyr	Val	Tyr	Ile	Val	Ser	Thr
	210					215					220				
Ile	Leu	His	Ile	Pro	Ser	Thr	Gln	Gly	Arg	Lys	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Val	Val	Ile	Ile	Tyr	Tyr	Thr	Ala	Met	Ile
			245					250						255	
Phe	Met	Tyr	Val	Arg	Pro	Arg	Ala	Ile	Ala	Ser	Phe	Asn	Ser	Asn	Lys
			260				265						270		
Leu	Ile	Ser	Ala	Val	Tyr	Ala	Val	Leu	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Cys	Leu	Arg	Asn	Arg	Glu	Val	Lys	Asp	Ala	Ile	Lys	Lys	Thr
	290				295						300				
Leu	Gly	Gly	Gly	Gln	Cys	Phe	Leu	Leu	Cys						
305					310										

<210> 1390
 <211> 324
 <212> PRT
 <213> Mus musculus

<400> 1390

Met	Leu	Phe	Met	Leu	Ile	Pro	Met	Ala	Thr	Gly	Asn	Gln	Thr	Arg	Ile
1				5					10					15	
Thr	Glu	Phe	Ile	Leu	Met	Ser	Phe	Ser	Ser	Leu	Pro	Thr	Glu	Ile	Gln
			20					25					30		
Thr	Leu	Leu	Phe	Leu	Ala	Phe	Leu	Thr	Ile	Tyr	Leu	Val	Thr	Leu	Leu
		35				40						45			
Gly	Asn	Ser	Leu	Ile	Ile	Leu	Val	Thr	Leu	Ala	Asp	Pro	Met	Leu	Gln
	50				55					60					
Ser	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Leu	Ser	Phe	Leu	Glu	Ile	Gly
65				70					75					80	
Phe	Asn	Leu	Val	Ile	Val	Pro	Lys	Met	Leu	Gly	Thr	Leu	Ile	Ala	Gln
			85					90						95	
Asp	Thr	Ser	Ile	Ser	Phe	Leu	Gly	Cys	Ala	Thr	Gln	Met	Tyr	Phe	Phe
		100					105					110			
Phe	Phe	Phe	Gly	Val	Ala	Glu	Cys	Phe	Leu	Leu	Ala	Thr	Met	Ala	Tyr
		115				120						125			
Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser	Pro	Leu	His	Tyr	Pro	Val	Ile	Met
	130				135						140				
Asn	Gln	Glu	Thr	Arg	Val	Lys	Leu	Ala	Ala	Ala	Ser	Trp	Phe	Pro	Gly
145				150					155					160	
Phe	Pro	Val	Ala	Thr	Val	Gln	Thr	Thr	Trp	Leu	Phe	Ser	Phe	Pro	Phe
			165					170						175	
Cys	Ala	Thr	Asn	Lys	Val	Asn	His	Phe	Phe	Cys	Asp	Ser	Pro	Pro	Val
		180					185					190			
Leu	Arg	Leu	Val	Cys	Ala	Asp	Thr	Ala	Gln	Phe	Glu	Val	Tyr	Ala	Ile
		195				200						205			
Val	Gly	Thr	Ile	Leu	Val	Val	Met	Ile	Pro	Cys	Leu	Leu	Ile	Leu	Cys

Lys Leu Leu Ser Leu Ser Tyr Thr Val Val Thr Pro Leu Leu Asn Pro
 275 280 285
 Ile Ile Tyr Ser Leu Arg Asn Asn Glu Val Lys Asn Ala Leu Ser Arg
 290 295 300
 Thr Phe His Lys Ala Leu Ala Leu Arg Lys Phe Ile Leu
 305 310 315

<210> 1392
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1392
 Met Glu Pro Trp Asn Ser Thr Leu Gly Thr Asp Phe Asn Leu Val Gly
 1 5 10 15
 Ile Leu Asp Asp Ser Gly Ser Pro Glu Leu Leu Cys Ala Thr Phe Thr
 20 25 30
 Ala Leu Tyr Met Leu Ala Leu Ile Ser Asn Gly Leu Leu Ile Leu Val
 35 40 45
 Ile Thr Met Asp Ala Arg Leu His Val Pro Met Tyr Phe Leu Leu Gly
 50 55 60
 Gln Leu Ser Leu Met Asp Leu Leu Phe Thr Ser Val Val Thr Pro Lys
 65 70 75 80
 Ala Val Ile Asp Phe Leu Leu Arg Asp Asn Thr Ile Ser Phe Glu Gly
 85 90 95
 Cys Ser Leu Gln Met Phe Leu Ala Leu Thr Leu Gly Gly Ala Glu Asp
 100 105 110
 Leu Leu Leu Ala Phe Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
 115 120 125
 Pro Leu Asn Tyr Met Ile Phe Met Arg Pro Ser Ile Cys Trp Leu Met
 130 135 140
 Val Ala Thr Ser Trp Ile Leu Ala Ser Leu Met Ala Leu Gly Tyr Thr
 145 150 155 160
 Thr Tyr Thr Met Gln Tyr Ser Tyr Cys Lys Ser Arg Lys Ile Arg His
 165 170 175
 Leu Leu Cys Glu Ile Pro Pro Leu Leu Lys Leu Ala Cys Ala Asp Thr
 180 185 190
 Ser Lys Tyr Glu Leu Met Val Tyr Val Met Gly Val Thr Phe Leu Ile
 195 200 205
 Pro Pro Leu Ala Ala Ile Leu Ala Ser Tyr Ser Leu Ile Leu Phe Thr
 210 215 220
 Val Leu His Met Pro Ser Asn Glu Gly Arg Lys Lys Ala Leu Val Thr
 225 230 235 240
 Cys Ser Ser His Leu Thr Val Val Gly Met Phe Tyr Gly Ala Ala Thr
 245 250 255
 Phe Met Tyr Val Leu Pro Ser Ser Phe His Ser Pro Arg Gln Asp Asn
 260 265 270
 Ile Ile Ser Val Phe Tyr Thr Ile Val Thr Pro Ala Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Glu Val Thr Gly Ala Leu Ile Arg Val
 290 295 300
 Leu Gly Arg Tyr Ile Val Pro Ala His Pro Thr Leu
 305 310 315

<210> 1393

<211> 326
 <212> PRT
 <213> Mus musculus

<400> 1393

Met	Glu	Phe	Val	Leu	Ser	Ala	Asp	Lys	Lys	Glu	Ile	Lys	Ser	Lys	Asn
1				5					10					15	
Leu	Asn	Ile	Ser	Ile	Thr	Glu	Phe	Val	Leu	Leu	Gly	Phe	Ser	Asp	Val
		20						25					30		
Pro	Gln	Leu	Gln	Trp	Met	Leu	Phe	Gly	Ile	Phe	Leu	Phe	Met	Tyr	Leu
		35					40					45			
Ser	Ile	Leu	Ile	Ser	Asn	Ser	Ile	Ile	Met	Leu	Ile	Thr	Arg	Thr	Asp
	50				55						60				
Ser	Ala	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn	Phe	Ser	Phe
65					70					75					80
Val	Glu	Ile	Cys	Tyr	Val	Thr	Val	Thr	Ile	Pro	Arg	Met	Leu	Met	Asp
			85						90				95		
Leu	Cys	Thr	Gln	Lys	Gly	Thr	Ile	Ser	Leu	Leu	Ser	Cys	Ala	Val	Gln
		100					105						110		
Leu	Cys	Phe	Val	Ile	Met	Leu	Gly	Gly	Met	Glu	Phe	Leu	Leu	Leu	Thr
	115						120					125			
Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	His	Tyr
	130					135					140				
Pro	Leu	Val	Met	Asn	Asn	Lys	Val	Cys	Val	Gln	Leu	Val	Ala	Ala	Cys
145					150					155					160
Trp	Ile	Cys	Ile	Ile	Pro	Val	Val	Thr	Gly	Gln	Thr	Tyr	Gln	Ile	Phe
			165						170					175	
Ser	Leu	Pro	Tyr	Cys	Gly	Ser	Asn	Lys	Ile	His	His	Phe	Phe	Cys	Asp
		180					185						190		
Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Gly	Asp	Thr	Phe	Val	Asn	Asn
	195						200					205			
Leu	Ala	Ile	Tyr	Ile	Ala	Ser	Val	Val	Phe	Ile	Met	Val	Pro	Phe	Leu
	210					215					220				
Leu	Ile	Leu	Val	Ser	Tyr	Gly	Lys	Ile	Ile	Cys	Asn	Val	Leu	Lys	Leu
225					230					235					240
Ala	Thr	Ser	Gly	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His
			245						250					255	
Leu	Ile	Val	Val	Val	Leu	Phe	Tyr	Gly	Thr	Ala	Thr	Ile	Thr	Tyr	Ala
		260					265						270		
Gln	Pro	Lys	Ala	Tyr	Gln	Ser	Glu	Thr	Leu	Gly	Lys	Leu	Leu	Ser	Leu
		275					280					285			
Phe	Tyr	Thr	Ile	Leu	Ile	Pro	Leu	Leu	Asn	Pro	Ile	Ile	Tyr	Thr	Leu
	290					295					300				
Arg	Asn	Lys	Asp	Ile	Met	Val	Ala	Leu	Arg	Lys	Leu	Gln	Thr	Lys	Leu
305					310					315					320
Ser	Thr	Tyr	Gly	Asn	Thr										
				325											

<210> 1394
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1394

Met	Thr	Phe	Glu	Asn	Phe	Thr	Met	Leu	Thr	Glu	Phe	Val	Phe	Leu	Gly
1				5					10					15	

Leu Ser Gly Arg Gln Asp Val Gln Gln Gly Leu Phe Ala Leu Phe Phe
 20 25 30
 Leu Val Tyr Gly Ile Thr Val Ile Ala Asn Leu Gly Met Val Ile Leu
 35 40 45
 Ile Lys Leu Asp Ser Arg Leu His Thr Pro Met Tyr Phe Leu Ser
 50 55 60
 Asn Leu Ser Phe Cys Asp Ile Cys Tyr Ser Ser Thr Val Ser Pro Lys
 65 70 75 80
 Met Leu Ala Asp Phe Leu Ser Lys Glu Lys Arg Ile Pro Tyr Asn Leu
 85 90 95
 Cys Ala Val Gln Met Tyr Phe Phe Gly Ala Phe Ala Asp Val Glu Cys
 100 105 110
 Leu Met Leu Ala Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn
 115 120 125
 Pro Leu Leu Tyr Thr Ile Val Met Ser Lys Lys Leu Cys Ile Gln Leu
 130 135 140
 Val Ala Val Ala Tyr Ala Ile Gly Leu Val Asp Ser Ala Ile His Thr
 145 150 155 160
 Ser Cys Thr Phe Arg Leu Ser Phe Cys Asn Ser Asn Val Ile Asn His
 165 170 175
 Phe Phe Cys Asp Ile Pro Pro Leu Leu Ala Leu Ser Cys Ser Asp Thr
 180 185 190
 Ser Ile Asn Glu Ile Val Met Phe Thr Phe Ile Gly Cys Val Val Gly
 195 200 205
 Ile Ser Ile Val Thr Val Leu Ser Tyr Cys Tyr Ile Ile Ala Thr
 210 215 220
 Ile Cys Arg Met Asn Ser Ala Glu Gly Arg His Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Ala Ser His Leu Met Ala Val Ala Ile Phe His Gly Thr Leu Leu
 245 250 255
 Phe Met Tyr Phe Arg Pro Ser Ser Ser Tyr Ser Met Asp Thr Asp Lys
 260 265 270
 Met Ala Ser Val Phe Tyr Thr Val Val Ile Pro Met Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Gly Ala Leu Lys Lys Ala
 290 295 300
 Ile Asn Ile Asn Leu Trp Pro Gly
 305 310

<210> 1395

<211> 314

<212> PRT

<213> Mus musculus

<400> 1395

Met Glu His Ser Glu Asn Ser Ala Met Asp Asn Ala Thr Ser Val Thr
 1 5 10 15
 Gln Phe Leu Leu Leu Gly Phe Ser Gly Val Pro Asn Leu Gln Thr Phe
 20 25 30
 Leu Phe Gly Met Phe Ser Ile Met Tyr Val Val Ile Leu Ile Gly Asn
 35 40 45
 Thr Ser Ile Leu Val Ile Ala Arg Ile Asp Pro Ala Leu Gln Lys Pro
 50 55 60
 Met Tyr Tyr Phe Leu Ala Asn Phe Ser Phe Leu Glu Ile Cys Tyr Val
 65 70 75 80
 Ser Val Thr Leu Pro Arg Ile Leu Tyr Asn Leu Trp Thr Gln Asp Arg

				85					90				95				
Gly	Ile	Cys	Leu	Leu	Ala	Cys	Ala	Ile	Gln	Met	Phe	Phe	Phe	Leu	Ile		
			100					105					110				
Leu	Ala	Ala	Thr	Glu	Cys	Phe	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg		
		115					120					125					
Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	His	Tyr	Pro	Leu	Val	Met	Asn	Pro		
	130				135						140						
Thr	Lys	Cys	Thr	Gln	Leu	Ala	Val	Gly	Ser	Trp	Leu	Gly	Gly	Ile	Pro		
145				150					155						160		
Val	Gln	Ile	Gly	Gln	Thr	Cys	Arg	Ile	Phe	Ser	Leu	His	Phe	Cys	Asn		
			165					170						175			
Ser	Asn	Ile	Ile	Glu	His	Phe	Phe	Cys	Asp	Val	Pro	Pro	Ile	Leu	Lys		
		180					185						190				
Leu	Ala	Cys	Gly	Asp	Thr	Ser	Met	His	Glu	Leu	Ser	Val	Tyr	Leu	Val		
	195						200					205					
Ala	Met	Phe	Phe	Val	Ala	Ser	Pro	Phe	Met	Leu	Ile	Leu	Ala	Ser	Tyr		
	210					215					220						
Ser	Lys	Ile	Ile	Ala	Thr	Ile	Leu	Lys	Leu	Pro	Thr	Ala	Thr	Gly	Arg		
225				230					235						240		
Ala	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Val	Val	Val	Leu	Leu		
			245					250						255			
Phe	Phe	Gly	Ser	Ala	Thr	Ile	Asn	Tyr	Leu	Arg	Pro	Lys	Ser	Ile	His		
	260						265					270					
Ser	Val	Gly	Thr	Asp	Glu	Leu	Leu	Ser	Leu	Phe	Tyr	Thr	Ile	Val	Thr		
	275					280						285					
Pro	Met	Phe	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Ile		
	290				295						300						
Ala	Ala	Leu	Arg	Arg	Leu	Leu	Leu	Lys	Ile								
305				310													

<210> 1396
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1396

Met	Asn	His	Gln	Gln	Lys	Pro	Gln	Glu	Gly	Asn	Leu	Thr	Asn	Leu	Lys		
1			5					10					15				
Glu	Phe	Val	Leu	Leu	Gly	Phe	Ser	Asp	Val	Pro	Asp	Leu	Gln	Trp	Val		
		20					25					30					
Leu	Phe	Gly	Leu	Leu	Ile	Ala	Met	Tyr	Cys	Phe	Ile	Leu	Leu	Gly	Asn		
	35					40					45						
Gly	Thr	Ile	Val	Leu	Ile	Thr	Asn	Val	Asp	Ser	Ala	Leu	Gln	Thr	Pro		
	50				55					60							
Met	Tyr	Phe	Phe	Leu	Gly	Asn	Phe	Ser	Phe	Leu	Glu	Ile	Cys	Tyr	Val		
65				70					75					80			
Ser	Ile	Thr	Leu	Pro	Arg	Met	Val	Phe	Asn	Leu	Gly	Thr	Gln	Arg	Arg		
			85				90						95				
Thr	Ile	Ser	Phe	Ile	Ala	Cys	Ala	Thr	Gln	Met	Cys	Phe	Thr	Leu	Ile		
		100					105					110					
Leu	Gly	Ala	Thr	Glu	Cys	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg		
	115						120				125						
Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	His	Tyr	Pro	Leu	Val	Met	Asn	Gln		
	130				135					140							
Lys	Val	Cys	Ser	Gln	Leu	Val	Ile	Gly	Ser	Trp	Ile	Ser	Gly	Ile	Pro		
145				150					155					160			

Ile	Gln	Ile	Gly	Gln	Thr	Ser	His	Ile	Phe	Ser	Leu	Ser	Phe	Cys	Gly
				165					170					175	
Ser	Asn	Gln	Ile	Asn	His	Phe	Phe	Cys	Asp	Ile	Pro	Pro	Ile	Leu	His
			180					185					190		
Leu	Ala	Cys	Gly	Asp	Ile	Phe	Ile	Asn	Glu	Met	Met	Val	Phe	Leu	Gly
		195					200					205			
Ala	Phe	Leu	Phe	Val	Leu	Phe	Pro	Phe	Met	Leu	Ile	Val	Phe	Ser	Tyr
	210					215					220				
Ser	Lys	Ile	Ile	Ser	Thr	Val	Leu	Lys	Leu	Ser	Ser	Thr	Lys	Ser	Arg
225					230					235					240
Ala	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Ala	Val	Val	Ile	Leu
				245					250					255	
Phe	Phe	Gly	Ser	Ala	Met	Ile	Thr	Tyr	Phe	Arg	Ser	Asn	Ala	Ser	His
			260					265					270		
Ser	Gly	Glu	Thr	Asp	Lys	Val	Leu	Ser	Leu	Phe	Tyr	Thr	Val	Val	Thr
		275					280					285			
Pro	Met	Phe	Asn	Pro	Met	Val	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Thr
	290					295					300				
Ile	Ala	Leu	Arg	Lys	Phe	Leu	Cys	Lys	Gln	Phe	Val	Lys	Ile		
305					310					315					

<210> 1397
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1397

Met	Glu	Gly	Asp	Asn	Thr	Ser	Ser	Thr	Asp	Phe	Thr	Phe	Met	Gly	Leu
1				5					10					15	
Phe	Asn	Thr	Glu	Glu	Thr	Ser	Gly	Leu	Val	Phe	Ala	Thr	Ile	Ser	Val
			20					25					30		
Ile	Phe	Leu	Thr	Ala	Leu	Val	Ala	Asn	Gly	Ile	Met	Ile	Phe	Leu	Ile
		35					40					45			
His	Thr	Asp	Ala	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Ser	His
	50					55					60				
Leu	Ser	Phe	Ile	Asp	Met	Met	Tyr	Ile	Ser	Thr	Ile	Val	Pro	Lys	Met
65					70					75					80
Leu	Val	Asp	Tyr	Leu	Leu	Gly	Gln	Arg	Thr	Ile	Ser	Phe	Val	Gly	Cys
			85						90					95	
Thr	Ala	Gln	His	Phe	Leu	Tyr	Leu	Thr	Leu	Val	Gly	Ala	Glu	Phe	Phe
			100					105					110		
Leu	Leu	Gly	Leu	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro
		115					120					125			
Leu	Arg	Tyr	Pro	Val	Leu	Met	Ser	Arg	Arg	Ile	Cys	Trp	Ile	Ile	Ile
	130					135					140				
Ala	Gly	Ser	Trp	Phe	Gly	Gly	Ser	Leu	Asp	Gly	Phe	Leu	Leu	Thr	Pro
145					150					155					160
Ile	Thr	Met	Ser	Phe	Pro	Phe	Cys	Arg	Ser	Arg	Glu	Ile	Asn	His	Phe
				165					170					175	
Phe	Cys	Glu	Ala	Pro	Ala	Val	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr	Ala
			180					185					190		
Leu	Tyr	Glu	Thr	Val	Met	Tyr	Val	Cys	Cys	Val	Leu	Met	Leu	Leu	Ile
		195					200					205			
Pro	Phe	Ser	Val	Val	Ile	Ser	Ser	Tyr	Ala	Arg	Ile	Leu	Ala	Thr	Val
	210					215					220				
Tyr	His	Met	Ser	Ser	Val	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Ala	Thr	Cys

225					230				235				240
Ser	Ser	His	Met	Thr	Val	Val	Thr	Leu	Phe	Tyr	Gly	Ala	Ile
				245					250				255
Thr	Tyr	Met	Val	Pro	His	Ser	Tyr	His	Ser	Pro	Ser	Gln	Asp
			260					265					270
Phe	Ser	Val	Phe	Tyr	Thr	Ile	Leu	Thr	Pro	Met	Leu	Asn	Pro
		275					280					285	
Tyr	Ser	Met	Arg	Asn	Lys	Asp	Val	Ser	Gly	Gly	Leu	Arg	Ala
	290					295					300		
Gly	Lys	Ile	Arg	Ser	Ser	Gln	Arg	Val	Ser	Lys	Asp	Tyr	
305					310					315			

<210> 1398
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1398

Met	Ala	Ile	Asn	Asn	Ser	Thr	Thr	Val	Val	Glu	Phe	Val	Leu	Gln	Gly
1				5					10					15	
Leu	Ser	Glu	Asp	Pro	Gly	Leu	Gln	Ala	Leu	Phe	Leu	Ala	Phe	Phe	Leu
			20					25					30		
Leu	Leu	Tyr	Ile	Leu	Ala	Leu	Ala	Gly	Asn	Thr	Leu	Ile	Ile	Ile	Ala
		35					40					45			
Ile	Ser	Leu	Asn	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala
	50					55					60				
Asn	Leu	Ala	Leu	Leu	Asp	Ile	Ile	Cys	Thr	Ser	Thr	Val	Val	Pro	Lys
65					70					75					80
Leu	Leu	Glu	Gly	Leu	Val	Gly	Lys	Ser	Ser	His	Ile	Ser	Tyr	Lys	Gly
			85					90						95	
Cys	Met	Thr	Gln	Val	Phe	Phe	Leu	Ile	Trp	Val	Leu	Gly	Ala	Glu	Leu
			100					105					110		
Leu	Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg
		115					120					125			
Pro	Leu	His	Tyr	Asn	Thr	Leu	Met	Ser	Trp	Pro	Ile	Cys	Val	Leu	Leu
	130					135					140				
Ala	Gly	Phe	Val	Trp	Val	Ile	Gly	Ile	Ala	Asn	Thr	Ser	Val	His	Ile
145					150					155					160
Gly	Leu	Leu	Val	Arg	Leu	Asn	Phe	Cys	Gly	Ser	Asn	Gln	Ile	Arg	His
			165					170						175	
Phe	Leu	Cys	Glu	Val	Pro	Thr	Leu	Leu	Leu	Ser	Cys	Ser	Pro	Thr	
			180				185					190			
Thr	Leu	Asn	Asn	Ile	Met	Leu	Val	Ile	Ala	Asp	Val	Tyr	Phe	Gly	Val
		195					200					205			
Leu	Asn	Phe	Leu	Leu	Thr	Met	Ile	Ser	Tyr	Ser	Phe	Ile	Ile	Ser	Ser
	210					215					220				
Ile	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Lys	Lys	Arg	Ala	Phe	Ser	Thr
225					230				235						240
Cys	Ser	Ala	His	Leu	Val	Val	Val	Thr	Leu	Tyr	Tyr	Ser	Thr	Ile	Ile
			245						250					255	
Tyr	Thr	Tyr	Leu	Gln	Pro	Gly	Ser	Gly	Ser	Ser	Phe	Gln	Asn	Ser	Lys
			260					265					270		
Val	Val	Thr	Leu	Leu	Tyr	Thr	Ala	Val	Ser	Pro	Thr	Leu	Asn	Pro	Ile
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Leu	Lys	Arg	Leu
	290					295					300				

Phe Pro Cys Phe His
305

<210> 1399
<211> 311
<212> PRT
<213> Mus musculus

<400> 1399
Met Ile Lys Asn Asn Gln Thr Leu Phe Asn Gln Phe Leu Leu Leu Gly
1 5 10 15
Leu Pro Ile Pro Ala Glu His Gln Gln Leu Phe Phe Ala Leu Phe Leu
20 25 30
Ser Met Tyr Leu Thr Thr Ile Leu Gly Asn Leu Ile Ile Ile Ile Leu
35 40 45
Ile Arg Leu Asp Ser His Leu His Thr Pro Met Tyr Leu Phe Leu Ser
50 55 60
Asn Leu Ser Phe Ser Asp Leu Cys Phe Ser Ser Val Thr Met Pro Lys
65 70 75 80
Leu Leu Gln Asn Met Gln Ser Gln Asp Thr Ser Ile Thr Tyr Ala Gly
85 90 95
Cys Leu Thr Gln Met Tyr Phe Phe Val Leu Phe Gly Gly Leu Glu Ile
100 105 110
Phe Leu Leu Val Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Leu
115 120 125
Pro Leu His Tyr Thr Ser Ile Met Ser Leu Lys Leu Cys Val Cys Leu
130 135 140
Val Leu Leu Ser Trp Val Ile Ser Ile Leu Asn Ser Met Leu His Thr
145 150 155 160
Leu Leu Leu Ala Arg Leu Ser Phe Cys Glu Asp Asn Met Ile Arg His
165 170 175
Phe Phe Cys Asp Met Ser Ala Leu Leu Lys Leu Ala Cys Ser Asp Ile
180 185 190
Tyr Ile Asn Glu Leu Met Ile Phe Ile Leu Gly Gly Pro Leu Met Val
195 200 205
Ile Pro Phe Leu Leu Ile Val Met Ser Tyr Val Gln Ile Ile Phe Ser
210 215 220
Ile Leu Lys Ala Ser Ser Thr Arg Ala Ile Tyr Lys Val Phe Ser Thr
225 230 235 240
Cys Gly Ser His Leu Thr Val Val Ser Leu Phe Tyr Gly Thr Ile Ile
245 250 255
Gly Leu Tyr Leu Cys Pro Ser Ala Asn Asn Phe Thr Ala Lys Glu Ala
260 265 270
Ser Ile Ala Ile Met Tyr Thr Val Val Thr Pro Met Leu Asn Pro Phe
275 280 285
Ile Tyr Ser Leu Arg Asn Arg Asp Ile Lys Glu Ala Leu Ile Asn Val
290 295 300
Leu Ile Lys Lys Ile Pro Leu
305 310

<210> 1400
<211> 314
<212> PRT
<213> Mus musculus

<400> 1400

Met	Thr	Arg	Arg	Asn	Gln	Thr	Val	Ile	Ser	Gln	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Pro	Pro	Glu	His	Gln	Gln	Leu	Tyr	Tyr	Ala	Leu	Leu	Leu
			20					25					30		
Ser	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Ile	Ile	Ile	Ile	Leu
		35					40					45			
Ile	Leu	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Ala	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Met	Pro	Lys
65					70					75					80
Leu	Leu	Gln	Asn	Met	Gln	Ser	Lys	Val	Pro	Ser	Ile	Pro	Tyr	Ala	Gly
			85						90					95	
Cys	Leu	Ala	Gln	Ile	Tyr	Phe	Phe	Leu	Tyr	Phe	Gly	Asp	Leu	Gly	Asn
			100					105					110		
Phe	Leu	Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe
			115				120					125			
Pro	Leu	His	Tyr	Met	Ser	Ile	Met	Ser	Pro	Arg	Leu	Cys	Val	Ser	Leu
	130					135					140				
Val	Leu	Leu	Ser	Trp	Val	Leu	Thr	Thr	Phe	His	Ala	Met	Leu	His	Thr
145					150					155					160
Leu	Leu	Met	Ala	Arg	Leu	Ser	Phe	Cys	Glu	Asp	Asn	Val	Ile	Pro	His
			165						170					175	
Tyr	Phe	Cys	Asp	Met	Ser	Thr	Leu	Leu	Lys	Val	Ala	Cys	Ser	Asp	Thr
			180					185					190		
His	Asp	Asn	Glu	Leu	Ala	Ile	Phe	Ile	Leu	Gly	Gly	Pro	Ile	Val	Val
	195					200						205			
Leu	Pro	Phe	Leu	Leu	Ile	Ile	Val	Ser	Tyr	Ala	Arg	Ile	Val	Ser	Ser
	210					215					220				
Ile	Phe	Lys	Phe	Pro	Ser	Phe	Gln	Gly	Ile	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Val	Ile
			245						250					255	
Gly	Leu	Tyr	Leu	Cys	Pro	Ser	Ala	Asn	Asn	Thr	Tyr	Val	Lys	Glu	Thr
			260					265					270		
Ile	Met	Ser	Leu	Met	Tyr	Thr	Met	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
	275						280					285			
Ile	Tyr	Ser	Leu	Ser	Asn	Arg	Asp	Ile	Lys	Asp	Ala	Leu	Glu	Lys	Ile
	290				295						300				
Met	Cys	Lys	Arg	Gln	Ile	Pro	Phe	Phe	Leu						
305					310										

<210> 1401

<211> 312

<212> PRT

<213> Mus musculus

<400> 1401

Met	Ile	Lys	Asn	Asn	Gln	Thr	Val	Ile	Ser	Gln	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Pro	Pro	Glu	His	Gln	His	Leu	Phe	Tyr	Ala	Leu	Phe	Leu
			20					25					30		
Ala	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Ile	Ile	Ile	Ile	Leu
		35					40					45			
Ile	Ile	Leu	Asp	Phe	His	Leu	His	Thr	Pro	Ile	Tyr	Leu	Phe	Leu	Ser
	50					55					60				

Asn	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Met	Pro	Lys
65					70					75					80
Leu	Leu	Gln	Asn	Met	Gln	Ser	Gln	Asp	Thr	Thr	Ile	Ser	Tyr	Val	Gly
				85					90					95	
Cys	Leu	Thr	Gln	Met	Tyr	Phe	Pro	Asn	Val	Phe	Ala	Asn	Leu	Glu	Asn
			100					105					110		
Phe	Leu	Leu	Met	Phe	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Tyr
		115					120					125			
Pro	Leu	Arg	Tyr	Thr	Ser	Ile	Met	Ser	Pro	Ile	Leu	Cys	Val	Cys	Met
	130					135					140				
Val	Phe	Met	Ser	Trp	Leu	Leu	Thr	Met	Leu	Asn	Ser	Thr	Leu	His	Thr
145					150					155					160
Val	Leu	Ile	Val	Lys	Leu	Ser	Phe	Cys	Glu	Asp	Asn	Val	Ile	Pro	His
				165					170					175	
Phe	Phe	Cys	Asp	Ile	Ser	Ala	Val	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Ile
			180					185					190		
Tyr	Ile	Asn	Glu	Leu	Thr	Ile	Phe	Ile	Thr	Gly	Ala	Phe	Ile	Ile	Val
		195					200					205			
Ile	Pro	Phe	Leu	Leu	Ile	Val	Val	Ser	Tyr	Val	Gln	Ile	Val	Cys	Ser
	210					215					220				
Ile	Leu	Lys	Phe	Ser	Ser	Thr	Arg	Gly	Ile	Ala	Lys	Ile	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Ile
				245					250					255	
Gly	Leu	Tyr	Leu	Cys	Pro	Ser	Thr	Asn	Asn	Ser	Thr	Val	Lys	Asp	Thr
			260					265					270		
Ala	Met	Ala	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Glu	Ala	Leu	Ile	Arg	Val
	290					295					300				
Leu	Cys	Lys	Lys	Glu	Ile	Ser	Leu								
305						310									

<210> 1402
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1402

Met	Ile	Met	Asn	Asn	Lys	Thr	Val	Ile	Thr	Gln	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Leu	Pro	Glu	Tyr	Gln	His	Leu	Phe	Tyr	Ala	Leu	Phe	Leu
			20					25					30		
Ser	Met	Tyr	Leu	Thr	Thr	Ile	Leu	Gly	Asn	Leu	Ile	Ile	Ile	Ile	Leu
		35					40					45			
Ile	Gln	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Ile	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Met	Pro	Lys
65					70					75					80
Leu	Leu	Leu	Asn	Met	Gln	Ser	Gln	Asp	Thr	Ser	Ile	Pro	Tyr	Ala	Gly
			85						90					95	
Cys	Leu	Thr	Gln	Met	Tyr	Phe	Ser	Asn	Leu	Phe	Gly	Ser	Leu	Glu	Ile
			100					105					110		
Phe	Leu	Leu	Val	Ile	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Leu
		115					120					125			
Pro	Leu	His	Tyr	Thr	Ser	Ile	Met	Ser	Pro	Lys	Leu	Cys	Val	Cys	Leu

130	135	140
Val Leu Leu Ser Trp	Val Ile Ser Met Leu Tyr	Ser Met Leu His Thr
145	150	155
Leu Leu Leu Ala Arg	Leu Ser Phe Cys Glu Asp	Asn Val Ile Pro His
165	170	175
Phe Phe Cys Asp Ile	Ser Ala Leu Leu Lys Leu Ala Cys	Ser Asp Ile
180	185	190
His Ile Asn Glu Leu Met	Ile Phe Leu Gly Gly	Pro Leu Thr Val
195	200	205
Ile Pro Phe Leu Leu Ile	Val Val Ser Tyr Ile	Gln Ile Val Phe Ser
210	215	220
Ile Leu Lys Ile Ser	Ser Thr Arg Ala Ile	His Lys Val Phe Ser Thr
225	230	235
Cys Gly Ser His Leu	Ser Val Val Ser Leu Phe Tyr	Gly Thr Ile Ile
245	250	255
Gly Leu Tyr Leu Cys	Pro Ser Ala Asn Asn Phe	Ser Val Lys Lys Ala
260	265	270
Ser Ile Thr Met Met	Tyr Thr Val Val Thr	Pro Met Leu Asn Pro Phe
275	280	285
Ile Tyr Ser Leu Arg	Asn Arg Asp Ile Lys Glu	Ala Leu Val Arg Val
290	295	300
Leu Ile Lys Lys Ile	Ser Leu	
305	310	

<210> 1403
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1403

Met Asp Thr Tyr Asn Leu Thr Val Leu Lys Tyr Phe Ile Leu Thr Gly
1 5 10 15
Ile Thr Asp Leu Pro Glu Leu Gln Ala Pro Leu Phe Gly Leu Phe Leu
20 25 30
Ile Ile Tyr Met Ile Ser Val Val Gly Asn Leu Gly Leu Ile Ile Leu
35 40 45
Thr Lys Ile Asp Ser Arg Leu Gln Thr Pro Met Tyr Phe Phe Leu Arg
50 55 60
Gln Leu Ser Leu Thr Asp Leu Gly Tyr Ser Thr Ala Val Gly Pro Lys
65 70 75 80
Met Leu Ile Asn Phe Val Ala Asp Gln Pro Thr Ile Ser Tyr Asn Trp
85 90 95
Cys Ser Val Gln Leu Thr Phe Phe Ser Ile Phe Ile Thr Thr Glu Val
100 105 110
Phe Ile Leu Ser Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
115 120 125
Pro Leu Leu Tyr Thr Ile Ile Met Ser Gln Arg Leu Cys His Val Leu
130 135 140
Val Ala Ile Pro Tyr Leu Tyr Ser Val Phe Ile Ser Leu Trp Thr Ile
145 150 155 160
Ile Lys Ile Phe Thr Ser Ser Phe Cys Gly His Asn Ile Ile Arg Tyr
165 170 175
Phe Tyr Cys Asp Ser Leu Pro Leu Ile Leu Met Leu Cys Ser Asp Thr
180 185 190
His Glu Ile Lys Leu Ile Ile Leu Ile Phe Ala Thr Phe Asn Leu Ile
195 200 205

Ser	Ser	Leu	Leu	Val	Val	Ser	Ile	Ser	Tyr	Ile	Leu	Ile	Leu	Val	Ser
210						215					220				
Ile	Leu	Arg	Met	Asn	Ser	Ser	Glu	Gly	Arg	His	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Thr	Val	Ile	Val	Ile	Phe	Tyr	Gly	Thr	Leu	Phe
				245						250				255	
Phe	Met	Tyr	Ala	Gln	Pro	Lys	Ser	Ile	His	Ser	Phe	Glu	Thr	Gly	Gln
			260					265					270		
Val	Ala	Ser	Leu	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Met
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Gln	Glu	Val	Lys	Gln	Ala	Leu	Asn	Arg	Lys
	290					295					300				
Trp	Lys	Met	Cys	Val	Asn	Ile	Leu	Phe	Lys	Leu					
305					310					315					

<210> 1404
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1404

Met	Glu	Lys	Tyr	Asn	Leu	Thr	Ile	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Ile	Thr	Asn	His	His	Glu	Phe	Gln	Val	Pro	Leu	Phe	Gly	Leu	Tyr	Leu
		20					25						30		
Ile	Ile	Tyr	Leu	Thr	Ser	Leu	Val	Asp	Asn	Leu	Gly	Met	Ile	Ile	Leu
	35					40					45				
Thr	Ile	Val	Asp	Ser	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg
	50					55				60					
His	Leu	Ala	Thr	Thr	Asp	Leu	Gly	Tyr	Ser	Thr	Ala	Val	Gly	Pro	Lys
65					70				75					80	
Met	Leu	Arg	Asn	Phe	Leu	Val	Asp	Gln	Asn	Ile	Ile	Ser	Phe	Tyr	Ala
			85					90					95		
Cys	Ala	Ile	Gln	Ser	Ser	Phe	Phe	Gly	Met	Phe	Ile	Val	Cys	Glu	Phe
		100						105				110			
Phe	Ile	Leu	Ser	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
	115					120					125				
Pro	Leu	Leu	Tyr	Thr	Val	Ile	Met	Ser	Gln	Lys	Ala	Cys	Trp	Ile	Leu
	130					135					140				
Val	Thr	Ile	Pro	Tyr	Leu	Tyr	Ser	Ile	Ile	Val	Ser	Leu	Leu	Val	Asn
145					150					155				160	
Ile	Lys	Ile	Phe	Thr	Leu	Ser	Phe	Cys	Gly	Tyr	Asn	Val	Ile	Ser	His
			165					170					175		
Phe	Tyr	Cys	Asp	Ala	Leu	Pro	Leu	Leu	Thr	Leu	Ala	Cys	Ser	Asn	Thr
		180						185					190		
His	Glu	Ile	Glu	Ala	Ile	Ile	Leu	Ile	Phe	Ser	Ala	Phe	Asn	Leu	Leu
	195						200					205			
Ser	Ser	Leu	Leu	Ile	Val	Ile	Gly	Ser	Tyr	Leu	Leu	Ile	Leu	Met	Ala
	210					215					220				
Ile	Leu	Arg	Ile	Asn	Ser	Thr	Glu	Gly	Lys	Trp	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Ile	Val	Phe	Tyr	Gly	Thr	Leu	Ile
			245						250					255	
Cys	Met	Tyr	Leu	Gln	Pro	Thr	Ser	Thr	His	Ser	Ile	Asp	Thr	Gly	Lys
		260						265					270		
Gly	Thr	Ser	Ile	Phe	Tyr	Thr	Gln	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu

	275		280		285
Ile	Tyr Ser Leu Arg Asn Lys Asp Val Thr Asp Val Leu Lys Lys Thr				
	290		295		300
Lys	Glu Lys Val Tyr Asn Leu Val Ser				
305		310			

<210> 1405
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1405

Met	Glu	Lys	Arg	Asn	Leu	Thr	Val	Val	Thr	Glu	Phe	Ile	Leu	Met	Gly
1				5					10					15	
Ile	Thr	Asp	Arg	Pro	Glu	Leu	Gln	Ala	Pro	Leu	Phe	Gly	Leu	Phe	Leu
			20					25					30		
Ile	Ile	Tyr	Leu	Ile	Ser	Leu	Leu	Gly	Asn	Met	Gly	Met	Ile	Ile	Leu
		35				40						45			
Thr	Met	Val	Asp	Ser	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg
	50					55					60				
His	Leu	Ala	Ile	Thr	Asp	Leu	Gly	Tyr	Ser	Thr	Ala	Val	Gly	Pro	Lys
65					70					75					80
Met	Leu	Glu	Asn	Phe	Val	Val	Asn	Gln	Asn	Thr	Ile	Ser	Asn	His	Leu
			85						90					95	
Cys	Ala	Ile	Gln	Leu	Thr	Phe	Phe	Leu	Val	Phe	Ile	Ile	Cys	Glu	Leu
			100					105					110		
Phe	Ile	Leu	Ser	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Leu	Tyr	Thr	Val	Ile	Met	Ser	His	Arg	Val	Cys	Trp	Val	Leu
	130					135					140				
Val	Ala	Val	Pro	Tyr	Phe	Tyr	Ser	Val	Ile	Ile	Ser	Leu	Leu	Ile	Thr
145					150					155					160
Ile	Lys	Ile	Phe	Ala	Leu	Pro	Phe	Cys	Asp	Tyr	Arg	Ile	Val	Ser	His
			165					170						175	
Phe	Cys	Asp	Ser	Leu	Pro	Leu	Ile	Ser	Leu	Leu	Cys	Ser	Asn	Thr	His
		180						185					190		
Asp	Ile	Glu	Ile	Ile	Ile	Leu	Ile	Ser	Ala	Gly	Phe	Asn	Leu	Val	Ser
	195					200						205			
Ser	Leu	Val	Val	Leu	Leu	Phe	Ser	Tyr	Leu	Leu	Ile	Leu	Ile	Ala	Ile
	210					215					220				
Phe	Arg	Met	Asn	Ser	Ala	Glu	Gly	Arg	Gln	Lys	Ala	Leu	Ser	Thr	Cys
225					230					235					240
Gly	Ser	His	Leu	Thr	Val	Val	Ile	Val	Phe	Tyr	Gly	Thr	Leu	Ile	Phe
			245						250					255	
Met	Tyr	Val	Gln	Pro	Lys	Ser	Ser	His	Ser	Phe	Asp	Thr	Asp	Lys	Val
		260						265					270		
Ala	Ser	Ile	Phe	Tyr	Thr	Leu	Ile	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Tyr	Ala	Leu	Glu	Arg	Leu	Trp
	290				295						300				
Lys	Met	Leu	Gly	Asn	Ile	Phe	Ser								
305					310										

<210> 1406
 <211> 313

<212> PRT

<213> Mus musculus

<400> 1406

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Met Glu Asn Gln Asn Leu Ser Val Leu Asn Glu Phe Ile Leu Val Gly
 1          5          10          15
Ile Thr Asp Arg Pro Glu Leu Gln Ala Pro Phe Phe Val Leu Phe Phe
 20          25          30
Leu Ile Tyr Val Ala Ser Val Val Gly Asn Leu Gly Met Ile Val Leu
 35          40          45
Thr Lys Leu Asp Glu Arg Leu Gln Thr Pro Met Tyr Phe Phe Leu Arg
 50          55          60
His Leu Ala Phe Ile Asp Phe Gly Tyr Ser Thr Ala Val Gly Pro Lys
 65          70          75          80
Thr Leu Val Ser Phe Val Thr Asn Lys Asn Thr Ile Pro Tyr Asn Trp
 85          90          95
Cys Ala Phe Gln Leu Ser Leu Phe Ile Phe Phe Ile Ile Ser Glu Leu
100          105          110
Phe Val Leu Ser Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn
115          120          125
Pro Leu Leu Tyr Thr Val Ile Met Ser Gln Lys Val Cys Trp Val Leu
130          135          140
Val Thr Ile Pro Tyr Leu Phe Ser Ala Phe Leu Ser Leu Ile Thr Thr
145          150          155          160
Ile Lys Ile Phe Ile Ser Ser Phe Cys Gly Tyr Asn Val Ile Ser His
165          170          175
Phe Tyr Cys Asp Ser Leu Pro Leu Leu Thr Leu Ile Cys Ser Gly Thr
180          185          190
Arg Asp Val Glu Leu Ile Ile Leu Ile Phe Ser Ala Phe Asn Leu Ile
195          200          205
Ser Ser Leu Ser Val Val Leu Val Ser Tyr Thr Phe Ile Leu Val Ala
210          215          220
Ile Leu Arg Met Asn Ser Ala Glu Gly Arg His Lys Ala Phe Ser Thr
225          230          235          240
Cys Gly Ser His Leu Thr Val Val Val Ile Leu Tyr Gly Thr Leu Ser
245          250          255
Phe Met Tyr Ile Gln Pro Lys Ser Ser His Ser Phe Glu Asn Asp Lys
260          265          270
Met Ala Ser Val Phe Tyr Thr Leu Val Ile Pro Val Leu Asn Pro Ile
275          280          285
Ile Tyr Ser Leu Arg Asn Lys Glu Val Lys Gly Ala Leu Gln Lys Leu
290          295          300
Trp Lys Asn Val Cys Lys Val Cys Ile
305          310
```

<210> 1407

<211> 315

<212> PRT

<213> Mus musculus

<400> 1407

```
Met Ala Pro Arg Asn Leu Ser His Val Thr Glu Phe Ile Leu Val Gly
 1          5          10          15
Val Ser Asp Leu Pro Glu Leu Gln Val Pro Leu Phe Phe Val Phe Leu
 20          25          30
Val Ile Tyr Leu Leu Thr Ala Ala Gly Asn Leu Gly Ile Ile Thr Leu
```


Ser Ile Leu Ser Ser Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn
 115 120 125
 Pro Leu Leu Tyr Ser Ala Ile Met Ser Gln Arg Arg Cys Gln Val Leu
 130 135 140
 Ile Gly Ile Pro Tyr Leu Tyr Ser Ile Phe Gln Ala Leu Leu Phe Pro
 145 150 155 160
 Ile Arg Tyr Phe Thr Leu Ser Phe Cys Gly Ala Asn Val Ile Ser His
 165 170 175
 Phe Tyr Cys Asp Val Val Pro Leu Leu Pro Leu Ile Cys Ser His Val
 180 185 190
 Glu Glu Thr Glu Leu Leu Thr Ile Leu Phe Ser Ala Phe Asn Leu Ile
 195 200 205
 Ser Ser Leu Leu Val Val Leu Leu Ser Tyr Met Leu Ile Leu Leu Thr
 210 215 220
 Ile Phe Arg Met Arg Ser Ala Glu Gly Arg Lys Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Gly Ser His Leu Thr Val Val Val Val Phe Tyr Gly Ser Leu Leu
 245 250 255
 Phe Met Tyr Val Gln Pro Lys Ser Ala His Ser Phe Glu Tyr Asp Lys
 260 265 270
 Ala Ala Ser Val Phe Tyr Thr Leu Val Ile Pro Met Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Glu Val Lys Asn Ala Phe His Arg Val
 290 295 300
 Phe Lys Asn Leu
 305

<210> 1409
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1409
 Met Asp Lys Glu Asn His Ser Val Val Thr Glu Phe Val Phe Met Gly
 1 5 10 15
 Ile Thr Gln Asp Pro Gln Leu Gln Ile Ile Phe Phe Val Val Phe Leu
 20 25 30
 Leu Val Tyr Leu Val Asn Val Ile Gly Asn Val Gly Met Ile Ile Leu
 35 40 45
 Ile Ile Thr Asp Ser Gln Leu His Thr Pro Met Tyr Phe Phe Leu Cys
 50 55 60
 Asn Leu Ser Phe Val Asp Leu Gly Tyr Ser Ser Ala Ile Ala Pro Arg
 65 70 75 80
 Met Leu Ala Asp Phe Leu Thr Lys His Lys Val Ile Ser Phe Ser Ser
 85 90 95
 Cys Ala Thr Gln Phe Ala Phe Phe Val Gly Phe Val Asp Ala Glu Cys
 100 105 110
 Tyr Val Leu Ala Ala Met Ala Tyr Asp Arg Phe Val Ala Ile Cys Arg
 115 120 125
 Pro Leu His Tyr Ser Thr Leu Met Ser Lys Lys Val Cys Leu Val Leu
 130 135 140
 Met Leu Gly Ser Tyr Phe Ala Gly Leu Val Ser Leu Val Ala His Thr
 145 150 155 160
 Ser Leu Thr Phe Ser Leu Ser Tyr Cys Gly Ser Asn Ile Ile Asn His
 165 170 175
 Phe Phe Cys Glu Ile Pro Pro Leu Leu Ala Leu Ser Cys Ser Asp Thr

Val	Phe	Tyr	Gly	Thr	Leu	Leu	Phe	Met	Tyr	Leu	Gln	Pro	Lys	Ser	Thr
			260					265					270		
His	Ser	Phe	Glu	Thr	Asp	Lys	Ile	Ala	Ser	Val	Phe	Tyr	Thr	Leu	Val
		275					280					285			
Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Phe	Arg	Asn	Lys	Glu	Val
	290					295					300				
Lys	Asn	Ala	Val	Leu	Arg	Val	Phe	Arg	Tyr	Gln	Cys	Lys	Leu	Cys	Thr
305					310					315					320

<210> 1411
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1411

Met	Ala	Glu	Val	Asn	Ile	Ser	Tyr	Val	Ser	Glu	Phe	Ile	Leu	Lys	Gly
1				5					10					15	
Ile	Thr	Asp	Arg	Pro	Glu	Leu	Gln	Ala	Pro	Cys	Phe	Val	Met	Phe	Leu
		20						25					30		
Thr	Ile	Tyr	Leu	Val	Thr	Val	Leu	Gly	Asn	Leu	Gly	Leu	Ile	Val	Ile
	35						40					45			
Ile	Arg	Val	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ala	Phe	Val	Asp	Leu	Cys	Tyr	Ser	Ser	Ala	Ile	Thr	Pro	Lys
65				70					75						80
Met	Met	Val	Asn	Phe	Val	Val	Glu	Arg	Asn	Thr	Ile	Pro	Phe	His	Ala
			85						90					95	
Cys	Ala	Thr	Gln	Leu	Gly	Cys	Phe	Leu	Thr	Phe	Met	Ile	Thr	Glu	Cys
		100						105					110		
Phe	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser
	115						120					125			
Pro	Leu	His	Tyr	Ser	Thr	Leu	Met	Ser	Lys	Arg	Val	Cys	Ile	Gln	Leu
	130					135					140				
Val	Ala	Val	Pro	Tyr	Val	Tyr	Ser	Phe	Leu	Val	Ala	Leu	Phe	His	Thr
145				150					155						160
Ile	Ile	Thr	Phe	Arg	Leu	Thr	Tyr	Cys	Gly	Pro	Asn	Val	Ile	Asn	His
			165						170					175	
Phe	Tyr	Cys	Asp	Asp	Leu	Pro	Leu	Leu	Ala	Leu	Ser	Cys	Ser	Asp	Thr
		180					185					190			
His	Met	Lys	Glu	Ile	Leu	Ile	Phe	Ala	Phe	Ala	Gly	Phe	Asp	Met	Ile
	195					200					205				
Cys	Ser	Ser	Ser	Ile	Val	Leu	Thr	Ser	Tyr	Leu	Phe	Ile	Ile	Ala	Ala
	210					215				220					
Ile	Leu	Arg	Ile	Arg	Ser	Thr	Gln	Gly	Arg	Arg	Lys	Ala	Ile	Ser	Thr
225				230					235						240
Cys	Gly	Ser	His	Met	Val	Ala	Val	Thr	Ile	Phe	Tyr	Gly	Thr	Leu	Ile
			245						250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Lys	Ser	Asn	His	Ser	Leu	Asp	Thr	Asp	Lys
		260					265					270			
Met	Ala	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asp	Ala	Ser	Lys	Lys	Ala
	290				295					300					
Leu	Asp	Lys	Gly	Tyr	Glu	Thr	Leu	Lys	Ile	Leu	Arg	Leu	Ser	Lys	
305					310				315						

<210> 1412
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1412
 Met Gly Arg His Asn Leu Thr Val Val Thr Glu Phe Val Leu Met Gly
 1 5 10 15
 Ile Thr Asp Arg Pro Glu Leu Gln Ala Pro Leu Phe Gly Leu Phe Leu
 20 25 30
 Ile Ile Tyr Leu Ile Ser Leu Ile Gly Asn Leu Gly Met Ile Ile Leu
 35 40 45
 Thr Thr Val Asp Ser Lys Leu Gln Thr Pro Met Tyr Phe Phe Leu Lys
 50 55 60
 His Leu Ala Ile Thr Asp Leu Gly Tyr Ser Thr Ser Val Gly Pro Lys
 65 70 75 80
 Met Leu Val Asn Phe Val Val Asp Gln Asn Thr Ile Ser Phe Lys Leu
 85 90 95
 Cys Ala Thr Gln Leu Ser Phe Phe Leu Val Phe Ile Val Ser Glu Leu
 100 105 110
 Phe Ile Leu Ser Ala Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys Lys
 115 120 125
 Pro Leu Leu Tyr Thr Val Ile Met Ser Gln Lys Leu Cys Trp Val Leu
 130 135 140
 Val Ala Ile Pro Tyr Leu Tyr Cys Thr Phe Val Ser Leu Leu Val Thr
 145 150 155 160
 Val Lys Ile Phe Thr Leu Ser Phe Cys Gly Tyr Asn Val Ile Ser His
 165 170 175
 Phe Tyr Cys Asp Ser Leu Pro Leu Leu Pro Leu Leu Cys Ser Asp Thr
 180 185 190
 His Asp Ile Glu Leu Ile Ile Leu Ile Leu Ala Ala Phe Asp Leu Ile
 195 200 205
 Ser Ser Leu Leu Val Val Leu Val Ser Tyr Leu Leu Ile Leu Ile Ala
 210 215 220
 Ile Val Arg Met Asn Ser Ala Glu Gly Arg Arg Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Gly Ser His Leu Thr Val Val Ile Val Phe Tyr Gly Thr Leu Ile
 245 250 255
 Phe Met Tyr Val Gln Pro Asn Ser Ser His Ser Phe Glu Thr Asp Lys
 260 265 270
 Val Ala Ser Ile Phe Tyr Thr Leu Val Ile Pro Met Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Tyr Ala Leu Lys Arg Thr
 290 295 300
 Leu Asn Asn Leu Cys Lys Leu Phe Ser Leu Ala Phe His Lys Ile
 305 310 315

<210> 1413
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1413
 Met Ala Gln Ile Asn Cys Thr Gln Val Thr Glu Phe Ile Leu Val Gly
 1 5 10 15

Leu Thr Asp Arg Glu Glu Leu Lys Met Pro Leu Phe Val Val Phe Leu
 20 25 30
 Ser Ile Tyr Leu Phe Thr Thr Leu Gly Asn Leu Gly Leu Ile Leu Val
 35 40 45
 Ile Arg Thr Asp Ala Arg Leu His Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 Asn Leu Ala Phe Val Asp Phe Cys Tyr Ser Ser Val Ile Thr Pro Lys
 65 70 75 80
 Met Leu Gly Asn Phe Leu Tyr Lys Gln Asn Met Ile Ser Phe Asn Ala
 85 90 95
 Cys Ala Ala Gln Leu Gly Cys Phe Leu Ala Phe Met Thr Ala Glu Cys
 100 105 110
 Leu Leu Leu Ala Ser Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn
 115 120 125
 Pro Leu Leu Tyr Met Val Leu Met Ser Pro Gly Ile Cys Phe Gln Leu
 130 135 140
 Val Ala Ala Pro Tyr Ser Tyr Ser Phe Leu Val Ala Leu Phe His Ala
 145 150 155 160
 Ile Leu Thr Phe Arg Leu Cys Tyr Cys His Ser Asn Ala Ile Asn His
 165 170 175
 Phe Tyr Cys Asp Asp Met Pro Leu Leu Arg Leu Thr Cys Ser Asp Thr
 180 185 190
 His Ser Lys Gln Leu Trp Ile Phe Val Cys Ala Gly Ile Met Phe Ile
 195 200 205
 Ser Ser Leu Leu Ile Val Phe Ile Ser Tyr Thr Phe Ile Ile Ser Ala
 210 215 220
 Ile Leu Arg Met Arg Ser Ala Glu Gly Arg Arg Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Gly Ser His Met Leu Ala Val Thr Ile Phe Tyr Gly Thr Leu Ile
 245 250 255
 Phe Met Tyr Leu Gln Pro Ser Ser Asn His Ser Leu Asp Thr Asp Lys
 260 265 270
 Met Ala Ser Val Phe Tyr Thr Val Ile Ile Pro Met Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Glu Val Lys Asp Ala Leu Lys Lys Leu
 290 295 300
 Ile Ala Ser Lys Asn Gln Met Leu Ser Ser
 305 310

<210> 1414

<211> 312

<212> PRT

<213> Mus musculus

<400> 1414

Met Ala Thr Glu Asn Cys Thr Val Val Thr Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Leu Thr Asp Arg Ala Glu Leu Lys Met Met Leu Phe Val Leu Phe Leu
 20 25 30
 Val Ile Tyr Ala Val Thr Leu Leu Gly Asn Leu Gly Met Ile Leu Leu
 35 40 45
 Ile Arg Ile Thr Pro Lys Leu His Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 Cys Leu Ser Phe Val Asp Ala Cys Tyr Ser Ser Val Ile Ala Pro Lys
 65 70 75 80
 Met Leu Ile Ser Phe Leu Val Val Thr Glu Thr Ile Ser Phe Ser Ala

Leu	Leu	Leu	Ala	Arg	Leu	Ser	Phe	Cys	Glu	Asp	Asn	Val	Ile	Pro	His
				165					170					175	
Phe	Phe	Cys	Asp	Ile	Ser	Val	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr
			180					185					190		
Tyr	Ile	Asn	Glu	Leu	Met	Ile	Phe	Ile	Leu	Gly	Gly	Leu	Asp	Ile	Val
		195				200						205			
Ile	Pro	Phe	Ile	Leu	Ile	Val	Val	Ser	Tyr	Val	Gln	Ile	Val	Cys	Ser
	210					215					220				
Ile	Leu	Lys	Phe	Ser	Ser	Thr	Arg	Gly	Ile	Ala	Lys	Val	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Ile
				245					250					255	
Gly	Val	Tyr	Ile	Cys	Pro	Ser	Ala	Asn	Asn	Ser	Thr	Val	Lys	Glu	Ile
			260					265					270		
Val	Met	Ala	Leu	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Glu	Ala	Leu			
	290					295					300				

<210> 1416
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1416

Met	Thr	Gly	Asn	Asn	Gln	Thr	Leu	Ile	Ser	Lys	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Leu	Ser	Glu	Tyr	His	Phe	Leu	Phe	Tyr	Ala	Leu	Phe	Leu
			20					25					30		
Ala	Met	Tyr	Leu	Thr	Thr	Ile	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Ala	Leu
		35				40						45			
Val	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Ile	Pro	Lys
65					70					75				80	
Leu	Leu	Gln	Asn	Met	Gln	Ser	Gln	Val	Pro	Ser	Ile	Ser	Tyr	Val	Gly
			85					90					95		
Cys	Leu	Thr	Gln	Leu	Tyr	Phe	Phe	Met	Val	Phe	Gly	Asp	Met	Glu	Ser
			100					105					110		
Phe	Leu	Leu	Val	Val	Met	Ala	Tyr	Asp	His	Tyr	Val	Ala	Ile	Cys	Phe
		115				120						125			
Pro	Leu	His	Tyr	Thr	Ser	Ile	Met	Ser	Thr	Lys	Phe	Cys	Thr	Ser	Leu
	130					135					140				
Val	Leu	Leu	Leu	Trp	Met	Leu	Thr	Thr	Ser	Asn	Ala	Met	Met	His	Thr
145					150					155					160
Leu	Leu	Met	Ala	Arg	Leu	Ser	Phe	Cys	Glu	Lys	Asn	Val	Ile	Leu	His
			165						170					175	
Phe	Phe	Cys	Asp	Ile	Ser	Ala	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
Phe	Val	Asn	Glu	Leu	Met	Ile	Phe	Ile	Met	Gly	Gly	Ile	Ile	Ile	Ile
		195				200						205			
Ile	Pro	Phe	Leu	Leu	Ile	Val	Met	Ser	Tyr	Val	Arg	Ile	Phe	Phe	Ser
	210					215					220				
Ile	Leu	Lys	Val	Pro	Ser	Thr	Gln	Gly	Ile	His	Lys	Val	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Ile

<210> 1418
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1418

Met	Asn	Asn	Lys	Thr	Val	Ile	Thr	Gln	Phe	Leu	Leu	Leu	Gly	Leu	Pro
1				5					10					15	
Ile	Pro	Pro	Glu	Tyr	Gln	His	Leu	Phe	Tyr	Ala	Leu	Phe	Leu	Ala	Met
			20					25					30		
Tyr	Leu	Thr	Thr	Ile	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Val	Leu	Ile	Gln
		35					40					45			
Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser	Asn	Leu
	50					55					60				
Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Met	Pro	Lys	Leu	Leu
65					70				75						80
Gln	Asn	Met	Gln	Ser	Gln	Asp	Pro	Ser	Ile	Pro	Tyr	Gly	Gly	Cys	Leu
				85					90					95	
Ala	Gln	Ile	Phe	Phe	Phe	Met	Leu	Phe	Gly	Asp	Met	Glu	Ser	Phe	Leu
			100					105					110		
Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe	Pro	Leu
		115					120					125			
His	Tyr	Thr	Ser	Ile	Met	Ser	Pro	Lys	Val	Cys	Thr	Phe	Leu	Val	Leu
	130					135					140				
Leu	Leu	Trp	Ile	Leu	Thr	Thr	Ser	His	Ala	Thr	Met	Gln	Ile	Leu	Leu
145					150					155					160
Thr	Val	Arg	Leu	Ser	Phe	Cys	Glu	Asn	Asn	Val	Leu	Leu	Asn	Phe	Phe
				165					170					175	
Cys	Asp	Ile	Phe	Val	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr	Tyr	Val
			180					185				190			
Asn	Asp	Leu	Met	Ile	Leu	Ile	Met	Gly	Gly	Leu	Ile	Ile	Val	Ile	Pro
		195					200					205			
Phe	Leu	Leu	Ile	Val	Ile	Ser	Tyr	Ala	Arg	Ile	Ile	Ser	Ser	Thr	Leu
	210					215					220				
Lys	Val	Pro	Ser	Thr	Gln	Gly	Ile	His	Lys	Val	Phe	Ser	Thr	Cys	Gly
225					230					235					240
Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Ile	Gly	Leu
				245					250					255	
Tyr	Leu	Cys	Pro	Ser	Gly	Asn	Asn	Phe	Ser	Leu	Lys	Gly	Ser	Ala	Met
			260					265					270		
Ala	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Arg	Ala	Leu	Ile	Arg	Ile	Ile	Gly
	290					295					300				
Ser	Lys	Lys	Ile	Ser	Leu										
305					310										

<210> 1419
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1419

Met Ala Gly Asn Asn Gln Thr Phe Ile Leu Glu Phe Leu Phe Leu Gly

1		5		10		15									
Leu	Pro	Ile	Pro	Ser	Glu	Tyr	Gln	Leu	Leu	Phe	Asn	Ala	Leu	Phe	Leu
		20						25					30		
Ala	Met	Tyr	Leu	Thr	Thr	Leu	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Leu
		35					40					45			
Val	Gln	Leu	Asp	Ser	His	Leu	His	Met	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Ile	Pro	Lys
65					70					75				80	
Leu	Leu	Gln	Asn	Met	His	Ser	Gln	Val	Pro	Thr	Ile	Ser	Tyr	Ala	Asp
				85					90					95	
Cys	Leu	Thr	Gln	Leu	Tyr	Phe	Phe	Leu	Val	Phe	Gly	Asp	Met	Glu	Ser
			100					105					110		
Phe	Leu	Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe
		115					120					125			
Pro	Leu	His	Tyr	Thr	Ser	Ile	Met	Ser	Thr	Lys	Leu	Cys	Val	Ser	Leu
	130					135					140				
Val	Leu	Leu	Leu	Trp	Met	Leu	Thr	Ile	Phe	His	Ala	Leu	Leu	His	Thr
145					150					155				160	
Leu	Leu	Thr	Ala	Arg	Leu	Ser	Phe	Cys	Glu	Lys	Asn	Val	Ile	Leu	His
			165						170					175	
Phe	Phe	Cys	Asp	Leu	Pro	Ala	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr
		180						185					190		
Phe	Val	Asn	Glu	Leu	Met	Ile	Phe	Ile	Leu	Gly	Gly	Ile	Ile	Ser	Ile
	195					200						205			
Ile	Pro	Phe	Leu	Leu	Ile	Gly	Met	Ser	Tyr	Val	Arg	Ile	Phe	Phe	Ser
	210				215						220				
Ile	Leu	Lys	Val	Pro	Ser	Thr	Gln	Gly	Ile	His	Lys	Val	Phe	Ser	Thr
225					230					235				240	
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile	Ile
			245						250					255	
Gly	Leu	Tyr	Leu	Cys	Pro	Ser	Ser	Asn	Asn	Ser	Thr	Leu	Lys	Lys	Thr
			260					265					270		
Ala	Met	Ala	Leu	Met	Tyr	Thr	Leu	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Ile	Lys	Arg	Ala	Leu	Ile	Arg	Val
	290				295						300				
Ile	Ser	Ser	Lys	Lys	Ile	Ser	Leu								
305					310										

<210> 1420
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1420
Met Ala Gly Lys Asn Gln Thr Leu Ile Leu Glu Phe Leu Leu Leu Gly
1 5 10 15
Leu Pro Ile Ser Ser Glu Tyr His Leu Leu Phe Tyr Ala Leu Leu Leu
20 25 30
Ala Met Tyr Leu Thr Thr Leu Leu Gly Asn Leu Leu Ile Ile Leu Leu
35 40 45
Val Arg Leu Asp Ser His Leu His Thr Pro Met Tyr Leu Phe Leu Ser
50 55 60
Asn Leu Ser Phe Ser Asp Leu Cys Phe Ser Ser Val Thr Ile Pro Lys
65 70 75 80

Leu	Leu	Gln	Asn	Met	Gln	Ser	Gln	Val	Pro	Thr	Ile	Ser	Tyr	Ala	Asp	
				85					90					95		
Cys	Leu	Thr	Gln	Leu	Tyr	Phe	Phe	Met	Val	Phe	Gly	Asp	Met	Glu	Ser	
			100					105					110			
Phe	Leu	Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe	
		115					120					125				
Pro	Leu	His	Tyr	Thr	Ser	Ile	Met	Ser	Thr	Lys	Phe	Cys	Ala	Leu	Leu	
	130					135					140					
Val	Leu	Leu	Leu	Trp	Met	Leu	Thr	Ile	Ser	His	Ala	Leu	Leu	His	Thr	
145					150					155					160	
Leu	Leu	Met	Ala	Arg	Leu	Ser	Phe	Cys	Glu	Lys	Asn	Val	Ile	Leu	His	
			165						170					175		
Phe	Phe	Cys	Asp	Ile	Ser	Ala	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr	
			180					185					190			
Tyr	Val	Asn	Glu	Leu	Met	Ile	Phe	Ile	Met	Gly	Gly	Ile	Ile	Ser	Ile	
	195						200					205				
Ile	Pro	Phe	Leu	Leu	Ile	Val	Met	Ser	Tyr	Val	Arg	Ile	Phe	Phe	Ser	
	210					215					220					
Ile	Leu	Lys	Val	Pro	Ser	Ser	Gln	Asp	Ile	His	Lys	Val	Phe	Ser	Thr	
225					230					235					240	
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Thr	Leu	Phe	Tyr	Gly	Thr	Ile	Ile	
			245						250					255		
Gly	Leu	Tyr	Leu	Cys	Pro	Ser	Gly	Asn	Asn	Ser	Thr	Val	Asn	Glu	Ile	
			260					265					270			
Ser	Met	Ala	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe	
		275					280					285				
Ile	Tyr	Arg	Leu	Arg	Asn	Arg	Asp	Met	Lys	Arg	Ala	Leu	Ile	Arg	Val	
	290				295						300					
Ile	Phe	Ser	Lys	Lys	Ile	Ser	Leu									
305					310											

<210> 1421
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1421

Met	Asp	Leu	Gly	Thr	Leu	Gly	Asn	Asp	Ser	Cys	Val	Ser	Thr	Phe	Val	
1				5					10					15		
Leu	Leu	Gly	Leu	Thr	Glu	Thr	Pro	Val	Leu	Arg	Pro	Ile	Leu	Phe	Val	
		20						25					30			
Ile	Phe	Leu	Leu	Ala	Tyr	Val	Ala	Thr	Leu	Gly	Gly	Asn	Phe	Ser	Ile	
	35						40					45				
Leu	Ala	Ala	Ile	Ile	Ile	Glu	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	
	50					55					60					
Phe	Leu	Gly	Asn	Leu	Ser	Met	Leu	Asp	Val	Gly	Cys	Ile	Ser	Val	Thr	
65					70					75					80	
Val	Pro	Ala	Met	Leu	Lys	His	Phe	Leu	Ser	Asn	Asp	Arg	His	Ile	Pro	
			85						90					95		
Tyr	Gly	Ala	Cys	Leu	Ser	Gln	Leu	Phe	Phe	Phe	His	Leu	Leu	Ala	Gly	
		100						105					110			
Ala	Asp	Cys	Phe	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala	
		115					120					125				
Ile	Cys	His	Pro	Leu	Thr	Tyr	Asn	Thr	His	Met	Ser	Trp	Arg	Ile	Gln	
	130					135					140					
Lys	Ala	Ser	Val	Cys	Leu	Ser	Cys	Val	Phe	Ser	Phe	Ser	Asn	Ala	Leu	

145					150					155				160
Thr	Gln	Thr	Val	Ala	Leu	Ser	Thr	Leu	Lys	Phe	Cys	Gly	Pro	Asn
				165					170					175
Ile	Asn	His	Phe	Tyr	Cys	Asp	Leu	Pro	Gln	Leu	Phe	Gln	Leu	Ser
			180					185					190	
Ser	Ser	Ile	Gln	Leu	Asn	Glu	Gln	Leu	Leu	Phe	Val	Ala	Ala	Phe
		195					200					205		
Met	Gly	Val	Val	Pro	Leu	Val	Leu	Ile	Thr	Val	Ser	Tyr	Gly	His
	210					215					220			
Ala	Ala	Ala	Val	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Lys	Lys
225					230					235				240
Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Thr	Val	Val	Gly	Ile	Phe	Tyr
			245						250					255
Thr	Gly	Val	Phe	Ser	Tyr	Met	Arg	Leu	Gly	Ser	Val	Glu	Ser	Ser
		260						265				270		
Lys	Asp	Lys	Gly	Ile	Gly	Ile	Leu	Asn	Thr	Val	Ile	Ser	Pro	Met
	275						280					285		
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Pro	Asp	Val	Gln	Gly	Ala
	290					295					300			
Trp	Lys	Val	Leu	Thr	Gly	Arg								
305					310									

<210> 1422

<211> 315

<212> PRT

<213> Mus musculus

<400> 1422

Met	Glu	Pro	Gly	Ala	Trp	Gly	Asn	Arg	Thr	Ala	Val	Thr	Asp	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Thr	Gly	Asn	Val	Arg	Leu	Gln	Pro	Ile	Leu	Phe	Val
			20					25					30		
Val	Phe	Phe	Phe	Ala	Tyr	Ile	Val	Thr	Val	Gly	Gly	Asn	Leu	Ser	Ile
	35					40						45			
Leu	Ala	Ala	Ile	Phe	Val	Glu	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Tyr
	50					55					60				
Phe	Leu	Gly	Asn	Leu	Ser	Leu	Leu	Asp	Ile	Gly	Cys	Ile	Ser	Val	Thr
65					70				75					80	
Val	Pro	Pro	Met	Leu	Val	Cys	Leu	Leu	Ala	His	Glu	Cys	Arg	Val	Pro
			85						90					95	
Tyr	Ala	Ala	Cys	Ile	Ser	Gln	Leu	Phe	Phe	His	Leu	Leu	Ala	Gly	
			100					105					110		
Val	Asp	Cys	His	Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala
	115						120					125			
Ile	Cys	Gln	Pro	Leu	Thr	Tyr	Ser	Thr	Arg	Met	Ser	Arg	Glu	Val	Gln
	130					135					140				
Gly	Thr	Leu	Val	Gly	Ile	Cys	Cys	Thr	Val	Ser	Phe	Ile	Asn	Ala	Leu
145					150					155					160
Thr	His	Thr	Val	Ala	Val	Ser	Val	Leu	Asp	Phe	Cys	Gly	Pro	Asn	Val
				165					170					175	
Val	Asn	His	Phe	Tyr	Cys	Asp	Leu	Pro	Pro	Leu	Phe	Gln	Leu	Ser	Cys
			180					185					190		
Ser	Ser	Ile	Tyr	Leu	Asn	Gly	Gln	Leu	Leu	Phe	Val	Gly	Ala	Thr	Phe
		195				200						205			
Met	Gly	Val	Val	Pro	Met	Ile	Leu	Ile	Ser	Val	Ser	Tyr	Ala	His	Val
	210					215					220				

Ala	Ala	Ala	Val	Leu	Arg	Ile	Arg	Ser	Thr	Glu	Gly	Arg	Lys	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Thr	Val	Val	Cys	Ile	Phe	Tyr	Gly
			245						250					255	
Thr	Gly	Phe	Phe	Ser	Tyr	Met	Arg	Leu	Gly	Ser	Val	Ser	Ala	Ser	Asp
		260						265					270		
Lys	Asp	Lys	Gly	Ile	Gly	Ile	Leu	Asn	Thr	Ile	Leu	Ser	Pro	Met	Leu
	275						280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Pro	Asp	Val	Gln	Gly	Ala	Leu
	290					295					300				
Lys	Arg	Val	Leu	Thr	Gly	Lys	Arg	Tyr	Pro	Val					
305					310					315					

<210> 1423
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1423

Met	Thr	Glu	Asp	Asn	Tyr	Ser	Leu	Thr	Thr	Glu	Phe	Ile	Leu	Ile	Gly
1				5					10					15	
Phe	Ser	Asp	His	Pro	Asp	Leu	Lys	Ile	Leu	Leu	Phe	Leu	Val	Phe	Ser
		20						25					30		
Thr	Ile	Tyr	Leu	Val	Thr	Met	Val	Gly	Asn	Leu	Gly	Leu	Val	Ala	Leu
	35					40						45			
Ile	Tyr	Met	Glu	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Gly
	50					55					60				
Asn	Leu	Ala	Leu	Met	Asp	Ser	Cys	Cys	Ser	Cys	Ala	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Glu	Asn	Phe	Phe	Ser	Val	Asn	Lys	Arg	Ile	Ser	Leu	Tyr	Glu
			85						90					95	
Cys	Met	Ala	Gln	Phe	Tyr	Phe	Leu	Cys	Leu	Ala	Glu	Thr	Ala	Asp	Cys
		100						105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
	115					120						125			
Pro	Leu	Gln	Tyr	His	Thr	Met	Met	Ser	Lys	Lys	Leu	Cys	Leu	Gln	Met
	130					135					140				
Thr	Thr	Gly	Ala	Tyr	Ile	Ala	Gly	Asn	Leu	His	Ser	Met	Ile	His	Ile
145					150					155					160
Gly	Phe	Leu	Phe	Arg	Leu	Thr	Phe	Cys	Arg	Ser	His	Val	Ile	Lys	His
			165						170					175	
Phe	Phe	Cys	Asp	Val	Leu	Pro	Leu	Tyr	Arg	Leu	Ser	Cys	Val	Asp	Pro
		180						185					190		
Tyr	Ile	Asn	Glu	Leu	Met	Ile	Leu	Ile	Phe	Ser	Gly	Ser	Val	Gln	Thr
	195						200					205			
Phe	Ser	Ile	Ile	Ile	Val	Leu	Ile	Ser	Tyr	Phe	Cys	Ile	Ile	Phe	Thr
	210					215					220				
Ile	Phe	Thr	Met	Lys	Ser	Arg	Glu	Gly	Arg	Ser	Lys	Ala	Leu	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Phe	Leu	Ser	Val	Ser	Ile	Phe	Tyr	Gly	Ser	Leu	Leu
			245						250					255	
Tyr	Thr	Tyr	Ile	Arg	Pro	Ser	Ser	Ile	Asn	Glu	Gly	Asn	Glu	Asp	Ile
		260						265					270		
Pro	Val	Ala	Ile	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Leu	Leu	Asn	Pro	Phe
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ile	Asn	Ala	Ile	Lys	Arg	Thr

290
Met Asn Lys Gly
305

295

300

<210> 1424
<211> 309
<212> PRT
<213> Mus musculus

<400> 1424
Met Leu Glu Gly Asn His Thr Met Lys His Glu Phe Ile Leu Thr Gly
1 5 10 15
Phe Thr Lys His Pro Glu Met Lys Gly Leu Leu Phe Ala Val Phe Phe
20 25 30
Phe Ile Tyr Leu Ile Thr Met Ile Gly Asn Met Gly Leu Val Ile Leu
35 40 45
Ile Cys Thr Glu Arg Ser Leu His Thr Pro Met Tyr Ile Phe Leu Gly
50 55 60
Asn Leu Ala Phe Ile Asp Ser Cys Cys Ala Cys Ala Ile Thr Pro Lys
65 70 75 80
Met Leu Glu Asn Phe Phe Ser Glu Asp Arg Ile Ile Ser Leu Tyr Glu
85 90 95
Cys Met Ala Gln Phe Tyr Phe Leu Ser Thr Val Glu Thr Ala Asp Cys
100 105 110
Phe Leu Leu Ser Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn
115 120 125
Pro Leu Gln Tyr His Thr Met Met Ser Lys Lys Leu Cys Leu Gln Met
130 135 140
Ile Thr Gly Ala Phe Ile Val Gly Asn Leu His Ser Met Val His Val
145 150 155 160
Gly Leu Leu Phe Arg Leu Ala Phe Cys Gly Ser Asn Gln Ile Asn His
165 170 175
Phe Tyr Cys Asp Ile Leu Pro Leu Tyr Arg Leu Ser Cys Val Asp Pro
180 185 190
Tyr Val Asn Glu Leu Val Leu Leu Val Phe Ser Ala Pro Ile Gln Val
195 200 205
Phe Thr Ile Ser Cys Val Leu Ile Ser Tyr Leu Phe Ile Val Tyr Thr
210 215 220
Ile Phe Gln Met Lys Ser Lys Glu Gly Arg Ile Lys Ala Phe Ser Thr
225 230 235 240
Cys Ala Ser His Phe Leu Ser Val Ser Leu Phe Tyr Gly Ser Leu Phe
245 250 255
Phe Ile Tyr Ile Lys Pro Asn Leu Leu Glu Glu Gly Asp Lys Asp Met
260 265 270
Pro Ala Ala Ile Leu Phe Thr Ile Val Val Pro Leu Leu Asn Pro Phe
275 280 285
Ile Tyr Ser Leu Arg Asn Lys Glu Val Lys Asn Val Leu Gln Lys Ile
290 295 300
Leu Gln Lys Asn Lys
305

<210> 1425
<211> 321
<212> PRT
<213> Mus musculus

<400> 1425

Met	Val	Glu	Glu	Asn	His	Thr	Met	Lys	Arg	Glu	Phe	Val	Leu	Thr	Gly
1				5					10					15	
Phe	Thr	Asp	His	Pro	Glu	Met	Lys	Gly	Leu	Leu	Phe	Ala	Val	Phe	Phe
			20					25					30		
Phe	Ile	Tyr	Leu	Ile	Thr	Met	Ile	Gly	Asn	Met	Gly	Leu	Val	Ile	Leu
		35					40					45			
Ile	Ser	Lys	Glu	Arg	Ser	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Gly
	50					55					60				
Asn	Leu	Ala	Phe	Ile	Asp	Ser	Cys	Cys	Ala	Cys	Ala	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Glu	Asn	Phe	Phe	Ser	Glu	Asp	Arg	Ile	Ile	Ser	Leu	Tyr	Glu
				85					90					95	
Cys	Met	Ala	Gln	Phe	Tyr	Phe	Leu	Cys	Thr	Val	Glu	Thr	Ala	Asp	Cys
			100					105					110		
Phe	Leu	Leu	Ser	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Gln	Tyr	His	Thr	Thr	Met	Ser	Lys	Lys	Leu	Cys	Leu	Gln	Met
	130					135						140			
Thr	Thr	Gly	Ala	Phe	Ile	Ala	Gly	Asn	Leu	His	Ser	Met	Val	His	Val
145					150					155					160
Gly	Leu	Leu	Phe	Arg	Leu	Ala	Phe	Cys	Gly	Ser	Asn	Gln	Ile	Asn	His
			165						170					175	
Phe	Tyr	Cys	Asp	Ile	Leu	Pro	Leu	Tyr	Arg	Leu	Ser	Cys	Val	Asp	Pro
		180						185					190		
Tyr	Ile	Asn	Glu	Leu	Val	Leu	Phe	Val	Phe	Ser	Gly	Ser	Ile	Gln	Val
	195					200						205			
Phe	Thr	Ile	Gly	Cys	Val	Leu	Ile	Ser	Tyr	Leu	Phe	Ile	Val	Tyr	Thr
	210					215					220				
Ile	Phe	Gln	Met	Lys	Ser	Lys	Glu	Gly	Arg	Ile	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Phe	Leu	Ser	Val	Ser	Leu	Phe	Tyr	Gly	Ser	Leu	Leu
			245						250					255	
Phe	Met	Tyr	Ile	Arg	Pro	Asn	Leu	Leu	Glu	Glu	Gly	Asp	Lys	Asp	Met
		260					265						270		
Pro	Ala	Ala	Ile	Leu	Phe	Thr	Ile	Val	Val	Pro	Leu	Leu	Asn	Pro	Phe
	275					280						285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asn	Val	Leu	Gln	Lys	Ile
	290				295						300				
Leu	Gln	Lys	Lys	Ile	Ile	Ser	Lys	Asn	Phe	Lys	Gln	Ala	Ser	Ile	Ile
305					310					315					320
Val															

<210> 1426

<211> 317

<212> PRT

<213> Mus musculus

<400> 1426

Met	Met	Lys	Ala	Asn	His	Ser	Leu	Thr	Val	Glu	Phe	Ile	Leu	Ile	Gly
1				5					10					15	
Phe	Ser	Asp	His	Thr	Asp	Leu	Lys	Thr	Leu	Leu	Phe	Leu	Leu	Phe	Ser
			20					25					30		
Ala	Ile	Tyr	Leu	Val	Thr	Ile	Val	Gly	Asn	Leu	Gly	Leu	Val	Ala	Leu

Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
	115						120					125			
Pro	Leu	Gln	Tyr	His	Ser	Met	Met	Ser	Lys	Lys	Leu	Cys	Leu	Gln	Met
	130					135					140				
Thr	Met	Gly	Ser	Tyr	Ile	Ala	Gly	Asn	Leu	His	Pro	Met	Ile	Glu	Val
145					150					155					160
Gly	Leu	Leu	Leu	Arg	Leu	Thr	Phe	Cys	Arg	Ser	His	Val	Ile	Lys	His
				165					170					175	
Phe	Phe	Cys	Asp	Val	Leu	Pro	Leu	Tyr	Arg	Ile	Ser	Cys	Thr	Asp	Pro
			180					185					190		
Asn	Ile	Asn	Glu	Leu	Ile	Leu	Leu	Val	Leu	Ala	Gly	Ser	Ile	Gln	Val
	195						200					205			
Phe	Thr	Ile	Ser	Ile	Val	Leu	Val	Ser	Tyr	Ser	Cys	Ile	Leu	Phe	Thr
	210					215					220				
Ile	Phe	Thr	Met	Lys	Ser	Lys	Glu	Gly	Arg	Gly	Lys	Ala	Leu	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Phe	Leu	Ser	Val	Ser	Ile	Phe	Tyr	Gly	Ser	Leu	Leu
				245					250					255	
Phe	Met	Tyr	Ala	Gln	Pro	His	Ser	Ala	Asn	Glu	Gly	Asp	Lys	Asp	Met
			260					265					270		
Pro	Val	Ala	Ile	Phe	Tyr	Thr	Leu	Ile	Ile	Pro	Leu	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ile	Asn	Val	Met	Lys	Lys	Thr
	290					295					300				
Met	Lys	Arg	Arg												
305															

<210> 1428
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1428

Met	Arg	Leu	Glu	Lys	Thr	Asn	His	Ser	Leu	Thr	Thr	Gln	Phe	Ile	Leu
1				5					10					15	
Val	Gly	Phe	Ser	Asp	His	Pro	Asp	Leu	Lys	Thr	Pro	Leu	Phe	Leu	Leu
			20					25					30		
Phe	Ser	Val	Ile	Tyr	Leu	Val	Thr	Met	Val	Gly	Asn	Leu	Gly	Leu	Val
		35					40					45			
Ala	Leu	Ile	Tyr	Met	Glu	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe
	50					55					60				
Leu	Gly	Asn	Leu	Ala	Leu	Met	Asp	Ser	Cys	Cys	Ser	Cys	Ala	Ile	Thr
65					70					75					80
Pro	Lys	Met	Leu	Glu	Asn	Phe	Phe	Ser	Val	Asp	Arg	Lys	Ile	Ser	Leu
				85					90					95	
Tyr	Glu	Cys	Met	Ala	Gln	Phe	Tyr	Phe	Leu	Cys	Leu	Ala	Glu	Thr	Ser
			100					105					110		
Asp	Cys	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Asn	Pro	Leu	Gln	Tyr	His	Ser	Met	Met	Thr	Lys	Lys	Leu	Ser	Ile
	130					135					140				
Gln	Met	Ser	Ile	Gly	Thr	Phe	Ile	Ala	Ser	Asn	Leu	Ile	Ser	Ile	Leu
145					150					155					160
His	Val	Gly	Cys	Leu	Leu	Arg	Leu	Thr	Phe	Cys	Lys	Ser	Asn	Arg	Ile
				165					170					175	
Asp	His	Phe	Phe	Cys	Asp	Ile	Leu	Pro	Leu	Tyr	Arg	Leu	Ser	Cys	Thr

				180				185				190			
Asp	Pro	Phe	Ile	Asn	Glu	Leu	Met	Ile	Tyr	Ile	Phe	Ser	Met	Pro	Ile
		195					200					205			
Gln	Phe	Leu	Thr	Ile	Thr	Thr	Val	Leu	Val	Ser	Tyr	Phe	Cys	Ile	Leu
	210					215					220				
Leu	Thr	Ile	Phe	Lys	Met	Lys	Ser	Lys	Asp	Gly	Arg	Gly	Lys	Ala	Leu
225					230					235					240
Ser	Thr	Cys	Ala	Ser	His	Phe	Phe	Ser	Val	Ser	Ile	Phe	Tyr	Ala	Cys
				245					250					255	
Leu	Leu	Met	Tyr	Ile	Arg	Pro	Phe	Asp	Asp	Ser	Asn	Lys	Asp	Ile	Pro
			260					265					270		
Val	Ala	Ile	Phe	Tyr	Thr	Ile	Ile	Ile	Pro	Leu	Leu	Asn	Pro	Phe	Ile
	275						280					285			
Tyr	Ser	Leu	Arg	Asn	Thr	Glu	Val	Val	Asn	Ala	Val	Lys	Lys	Val	Met
	290					295					300				
Lys	Ile	Tyr	Thr	Ile	Phe	Lys	Arg	Ser	Ser	Ala	Ser	Ala	Ala	His	
305					310					315					

<210> 1429

<211> 309

<212> PRT

<213> Mus musculus

<400> 1429

Met	Thr	Glu	Asp	Asn	Tyr	Ser	Leu	Ala	Thr	Glu	Phe	Ile	Leu	Ile	Gly
1				5					10					15	
Phe	Ser	Asp	His	Pro	Asp	Leu	Lys	Thr	Leu	Leu	Phe	Leu	Val	Phe	Ser
			20					25					30		
Ala	Ile	Tyr	Leu	Val	Thr	Met	Val	Gly	Asn	Leu	Gly	Leu	Val	Thr	Leu
	35					40					45				
Ile	Tyr	Ile	Glu	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Gly
	50					55				60					
Asn	Leu	Ala	Leu	Met	Asp	Ser	Cys	Cys	Ser	Cys	Ala	Ile	Thr	Pro	Lys
65				70					75					80	
Met	Leu	Glu	Asn	Phe	Phe	Ser	Val	Asp	Arg	Arg	Ile	Ser	Leu	Tyr	Glu
			85					90					95		
Cys	Met	Ala	Gln	Phe	Tyr	Phe	Leu	Cys	Leu	Ala	Glu	Thr	Thr	Asp	Cys
		100						105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
	115					120						125			
Pro	Leu	Gln	Tyr	His	Ser	Met	Met	Ser	Lys	Lys	Leu	Cys	Leu	Gln	Met
	130					135					140				
Thr	Thr	Gly	Ala	Tyr	Ile	Ala	Gly	Asn	Leu	His	Ser	Met	Ile	His	Ile
145					150					155					160
Gly	Phe	Leu	Phe	Arg	Leu	Thr	Phe	Cys	Arg	Ser	His	Val	Ile	Lys	His
			165					170					175		
Phe	Phe	Cys	Asp	Val	Leu	Pro	Leu	Tyr	Arg	Leu	Ser	Cys	Val	Asp	Pro
		180						185				190			
Tyr	Ile	Asn	Glu	Leu	Met	Ile	Leu	Ile	Phe	Ser	Gly	Ser	Leu	Gln	Thr
	195					200						205			
Phe	Thr	Ile	Thr	Ile	Val	Leu	Ile	Ser	Tyr	Phe	Cys	Ile	Leu	Phe	Thr
	210					215					220				
Ile	Phe	Thr	Met	Lys	Ser	Arg	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr
225				230						235				240	
Cys	Ala	Ser	His	Phe	Leu	Ser	Val	Ser	Ile	Phe	Tyr	Gly	Ser	Leu	Leu
			245					250					255		

<210> 1431
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1431

Met	Ala	Glu	Gly	Asn	Arg	Thr	Leu	Val	Thr	Glu	Phe	Ile	Leu	Met	Gly
1				5					10					15	
Leu	Thr	Asp	His	Pro	Thr	Leu	Lys	Ala	Ala	Leu	Phe	Pro	Leu	Phe	Leu
			20					25					30		
Val	Ile	Tyr	Leu	Ile	Thr	Met	Val	Gly	Asn	Leu	Gly	Leu	Ile	Ala	Leu
		35					40					45			
Ile	Trp	Lys	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
Ser	Leu	Ala	Phe	Ala	Asp	Ser	Cys	Thr	Thr	Ser	Ser	Val	Thr	Pro	Arg
65					70					75					80
Met	Ile	Leu	Asn	Phe	Leu	Ser	Thr	Asn	His	Glu	Ile	Thr	Leu	Val	Glu
				85					90					95	
Cys	Phe	Ala	Gln	Phe	Tyr	Phe	Met	Gly	Ser	Ser	Ala	Thr	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Asn
	115						120					125			
Pro	Leu	Leu	Tyr	Pro	Val	Leu	Met	Ser	Asn	Arg	Leu	Cys	Thr	Gln	Phe
	130					135					140				
Ile	Ala	Val	Ala	Tyr	Leu	Leu	Gly	Ala	Leu	His	Leu	Ala	Ile	His	Val
145					150					155					160
Gly	Leu	Leu	Leu	Arg	Leu	Thr	Phe	Cys	Arg	Ser	Asn	Ile	Ile	Gln	Tyr
				165					170					175	
Tyr	Tyr	Cys	Glu	Ile	Leu	Gln	Leu	Phe	Asn	Ile	Ser	Cys	Ile	Asp	Pro
		180						185					190		
Thr	Ile	Asn	Val	Phe	Val	Leu	Leu	Ile	Leu	Ala	Thr	Ser	Ile	Gln	Val
	195						200					205			
Phe	Thr	Phe	Val	Thr	Val	Leu	Val	Ser	Tyr	Ile	Arg	Val	Leu	Phe	Ala
	210					215					220				
Ile	Leu	Arg	Lys	Lys	Ser	Asp	Lys	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ala	His	Leu	Leu	Ser	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Leu	Phe
			245						250					255	
Leu	Ile	Tyr	Val	Cys	Pro	Gly	Ser	Gly	Pro	Val	Gly	Asp	Lys	Glu	Lys
		260						265					270		
Met	Leu	Ser	Leu	Phe	Tyr	Thr	Val	Ile	Ile	Pro	Leu	Leu	Asn	Pro	Phe
	275						280					285			
Val	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ile	Ser	Ala	Phe	Arg	Arg	Val
	290					295					300				
Met	Lys	Asn	Thr												
305															

<210> 1432
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1432

Met	Thr	Glu	Asp	Asn	Tyr	Ser	Leu	Ala	Thr	Glu	Phe	Ile	Leu	Thr	Gly
1				5					10					15	

Phe	Ser	Asp	Tyr	Pro	Asp	Leu	Lys	Ile	Leu	Leu	Phe	Leu	Val	Phe	Ser
			20					25					30		
Ala	Ile	Tyr	Leu	Val	Thr	Met	Val	Gly	Asn	Leu	Gly	Leu	Val	Ala	Leu
		35					40					45			
Ile	Tyr	Met	Glu	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Gly
	50					55					60				
Asn	Leu	Ala	Leu	Met	Asp	Ser	Cys	Cys	Ser	Cys	Ala	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Glu	Asn	Phe	Ser	Val	Asp	Arg	Arg	Ile	Ser	Leu	Tyr	Glu	
			85					90					95		
Cys	Met	Ala	Gln	Phe	Tyr	Phe	Leu	Cys	Leu	Ala	Glu	Thr	Ala	Asp	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Asp	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Gln	Tyr	His	Thr	Met	Met	Ser	Lys	Lys	Leu	Cys	Leu	Gln	Met
	130					135					140				
Thr	Thr	Gly	Ala	Tyr	Ile	Ala	Gly	Asn	Ile	His	Ser	Met	Ile	Gln	Ile
145					150					155					160
Gly	Phe	Leu	Phe	Arg	Leu	Thr	Phe	Cys	Arg	Ser	His	Val	Ile	Lys	His
				165				170						175	
Phe	Phe	Cys	Asp	Val	Leu	Pro	Leu	Tyr	Arg	Leu	Ser	Cys	Val	Asp	Pro
			180					185					190		
Tyr	Ile	Asn	Glu	Leu	Met	Ile	Leu	Ile	Phe	Ser	Gly	Ile	Ala	Gln	Thr
	195					200						205			
Phe	Thr	Ile	Thr	Ile	Val	Leu	Ile	Ser	Tyr	Phe	Cys	Ile	Leu	Phe	Thr
	210					215					220				
Ile	Phe	Thr	Met	Lys	Ser	Arg	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Phe	Leu	Ser	Val	Ser	Ile	Phe	Tyr	Gly	Ser	Leu	Leu
				245					250					255	
Tyr	Met	Tyr	Ile	Arg	Pro	Ser	Ser	Leu	Asn	Glu	Gly	Tyr	Lys	Asp	Ile
			260					265					270		
Pro	Val	Ala	Ile	Cys	Tyr	Thr	Leu	Ile	Ile	Pro	Leu	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ile	Asn	Val	Met	Lys	Glu	Gln
	290					295					300				
Cys	Arg	Asp	Asn	Cys	Asn	Ile	Leu	Lys	Ser	Phe	Phe	Glu	Asn		
305					310					315					

<210> 1433
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 1433

Met	Glu	Lys	Asn	Ser	Thr	Leu	Met	Thr	Glu	Phe	Val	Leu	Arg	Gly	Ile
1				5					10					15	
Thr	Asp	Arg	Pro	Glu	Leu	Gln	Val	Pro	Leu	Phe	Leu	Val	Phe	Phe	Phe
			20					25					30		
Ile	Tyr	Val	Thr	Thr	Met	Val	Gly	Asn	Leu	Gly	Leu	Ile	Phe	Leu	Ile
		35				40						45			
Trp	Lys	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Gly	Asn
	50				55					60					
Leu	Ala	Phe	Ala	Asp	Ala	Cys	Thr	Ser	Ser	Ser	Val	Thr	Pro	Lys	Met
65					70					75					80
Leu	Met	Lys	Phe	Leu	Asn	Lys	Asn	Asp	Ile	Ile	Ser	Arg	Gly	Glu	Cys

Leu	Leu	Phe	Arg	Leu	Thr	Phe	Cys	Lys	Ser	Asn	Ile	Ile	Asp	His	Phe	
				165					170					175		
Tyr	Cys	Glu	Ile	Leu	Gln	Leu	Tyr	Thr	Ile	Ser	Cys	Thr	Asp	Pro	Ser	
				180				185					190			
Leu	Asn	Thr	Leu	Val	Val	Phe	Ile	Cys	Ala	Ser	Ser	Ile	Gln	Ile	Ser	
		195					200					205				
Thr	Ser	Val	Thr	Ile	Ile	Val	Ser	Tyr	Ala	Arg	Val	Leu	Phe	Ala	Val	
		210				215					220					
Leu	Asn	Met	Lys	Ser	Glu	Arg	Gly	Arg	Arg	Lys	Ala	Phe	Phe	Thr	Cys	
225					230					235					240	
Ser	Ala	His	Leu	Leu	Ser	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Leu	Leu	Phe	
				245					250					255		
Met	Tyr	Val	Ser	Pro	Gly	Ser	Gly	Ser	Gly	Lys	Gln	Lys	Asp	Lys	Ile	
			260					265					270			
Tyr	Ser	Leu	Phe	Tyr	Thr	Val	Val	Ile	Pro	Leu	Leu	Asn	Pro	Phe	Ile	
		275				280						285				
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Leu	Gly	Ala	Leu	Lys	Lys	Phe	Ile	
		290				295					300					
Lys	Cys															
305																

<210> 1435
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1435

Met	Leu	Thr	Gly	Lys	Ser	Val	Leu	Asn	Gln	Ser	Gly	Thr	Thr	Glu	Phe	
1				5					10					15		
Val	Phe	Arg	Val	Phe	Thr	Thr	Val	Pro	Glu	Phe	Gln	Ala	Leu	Leu	Phe	
			20					25					30			
Leu	Leu	Phe	Leu	Leu	Leu	Tyr	Leu	Met	Ile	Leu	Cys	Gly	Asn	Ala	Ala	
		35				40						45				
Ile	Ile	Trp	Val	Val	Cys	Thr	His	Ser	Ala	Leu	His	Thr	Pro	Met	Tyr	
		50			55						60					
Phe	Phe	Leu	Ser	Ser	Leu	Ser	Val	Leu	Glu	Ile	Phe	Tyr	Thr	Thr	Asp	
65				70					75						80	
Val	Val	Pro	Leu	Met	Leu	Ser	Asn	Ile	Phe	Gly	Ala	Gln	Lys	Pro	Ile	
				85					90					95		
Ser	Leu	Ala	Gly	Cys	Gly	Thr	Gln	Met	Phe	Phe	Phe	Val	Thr	Leu	Gly	
			100					105					110			
Ser	Thr	Asp	Cys	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	
		115				120						125				
Ala	Ile	Cys	His	Pro	Leu	His	Tyr	Ser	Leu	Ile	Met	Thr	Lys	Lys	Leu	
		130				135					140					
Cys	Val	Gln	Met	Val	Met	Gly	Ser	Trp	Ser	Leu	Ala	Leu	Phe	Leu	Ser	
145					150					155					160	
Leu	Gln	Leu	Thr	Ala	Leu	Ile	Phe	Thr	Leu	Pro	Phe	Cys	Gly	His	Asp	
				165					170					175		
Gln	Glu	Ile	Asn	His	Phe	Leu	Cys	Asp	Val	Pro	Pro	Val	Leu	Arg	Leu	
			180					185					190			
Ala	Cys	Ala	Asp	Ile	His	Val	His	Gln	Ala	Val	Leu	Tyr	Val	Val	Gly	
		195				200						205				
Ile	Leu	Val	Leu	Thr	Val	Pro	Phe	Leu	Leu	Ile	Cys	Ile	Ser	Tyr	Val	
		210				215					220					
Phe	Ile	Ala	Ser	Thr	Ile	Leu	Arg	Met	Arg	Ser	Ala	Glu	Gly	Arg	Gln	

225		230		235		240									
Arg	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Thr	Val	Val	Leu	Leu	Gln
				245					250					255	
Tyr	Gly	Cys	Cys	Ser	Leu	Val	Tyr	Leu	Arg	Pro	Arg	Ser	Ser	Thr	Ser
			260					265					270		
Glu	Asp	Glu	Asp	Arg	Gln	Ile	Ala	Leu	Val	Tyr	Thr	Phe	Val	Thr	Pro
		275					280					285			
Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly
	290					295					300				
Ala	Leu	Lys	Asn	Ser	Ile	Phe	His	Lys	Ala	Val					
305					310					315					

<210> 1436
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1436

Met	Asn	Met	Asp	Gln	Gly	Asn	Gln	Thr	Ser	Ile	Ser	Glu	Phe	Ile	Leu
1				5				10						15	
Leu	Gly	Leu	Ser	Asn	Gln	Ala	Glu	Lys	Gln	Lys	Leu	Ile	Phe	Val	Ile
			20					25					30		
Phe	Leu	Ser	Met	Tyr	Leu	Val	Thr	Val	Ile	Gly	Asn	Ser	Leu	Ile	Ile
		35					40					45			
Leu	Ala	Ile	Gly	Leu	Asp	Ile	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe
	50					55					60				
Leu	Ala	Asn	Leu	Ser	Phe	Ala	Asp	Ile	Ser	Ser	Ser	Ser	Thr	Ser	Val
65					70					75					80
Pro	Lys	Met	Leu	Met	Asn	Ile	Gln	Thr	Asn	Ser	Gln	Ser	Ile	Ser	Tyr
				85					90					95	
Glu	Gly	Cys	Ile	Thr	Gln	Met	Tyr	Phe	Ser	Ile	Val	Phe	Val	Val	Ile
			100					105					110		
Asp	Asn	Phe	Leu	Leu	Gly	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	His	Pro	Leu	Asn	Tyr	Thr	Asn	Ile	Met	His	Pro	Arg	Phe	Cys	Leu
	130					135					140				
Leu	Leu	Ser	Phe	Cys	Pro	Trp	Ala	Leu	Ser	Asn	Ile	Val	Ala	Leu	Thr
145					150					155					160
His	Thr	Leu	Leu	Ala	Asn	Gln	Leu	Ile	Phe	Cys	Asn	His	Asn	Thr	Ile
				165					170					175	
Gln	His	Phe	Phe	Cys	Asp	Leu	Ala	Pro	Leu	Ile	Lys	Leu	Ser	Cys	Ser
			180					185					190		
Asp	Ala	Met	Ile	Asn	Glu	Leu	Val	Lys	Phe	Val	Val	Gly	Leu	Ser	Val
		195					200					205			
Ile	Thr	Phe	Pro	Phe	Ala	Leu	Ile	Leu	Phe	Ser	Tyr	Val	Cys	Ile	Ile
	210					215					220				
Arg	Asp	Val	Leu	Arg	Ile	Ser	Ser	Thr	Glu	Gly	Lys	Trp	Lys	Ala	Phe
225					230					235					240
Ser	Thr	Cys	Gly	Ser	His	Leu	Thr	Ile	Val	Phe	Leu	Phe	Tyr	Gly	Thr
				245					250					255	
Ile	Val	Gly	Val	Tyr	Phe	Phe	Pro	Ser	Ser	Thr	His	Pro	Glu	Asp	Thr
			260					265					270		
Asp	Lys	Ile	Gly	Ala	Val	Leu	Phe	Thr	Val	Val	Thr	Pro	Met	Leu	Asn
		275					280					285			
Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Gly	Ala	Leu	Arg
	290					295					300				

Lys Leu Ile Asn Lys Ser His Leu Leu Pro Leu Met Ser
 305 310 315

<210> 1437
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1437
 Met Gly Gly Asn Gln Thr Leu Ile Thr Gln Phe Ile Leu Leu Gly Phe
 1 5 10 15
 Pro Leu Ser Pro Arg Met Gln Met Leu Leu Phe Ala Leu Phe Ser Leu
 20 25 30
 Phe Tyr Ala Phe Thr Leu Leu Gly Asn Gly Thr Ile Leu Gly Leu Ile
 35 40 45
 Cys Leu Asp Ser Arg Leu His Thr Pro Met Tyr Phe Phe Leu Ser His
 50 55 60
 Leu Ala Ile Val Asp Ile Ala Tyr Ala Cys Asn Thr Val Pro Gln Met
 65 70 75 80
 Leu Val Asn Leu Met Asp Pro Ala Lys Pro Ile Ser Phe Ala Gly Cys
 85 90 95
 Met Thr Gln Thr Phe Leu Phe Leu Thr Phe Ala His Thr Glu Cys Leu
 100 105 110
 Leu Leu Val Val Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys His Pro
 115 120 125
 Leu Arg Tyr Thr Ala Ile Met Ser Trp Arg Val Cys Val Ile Leu Val
 130 135 140
 Leu Thr Ser Trp Ile Leu Gly Val Leu Leu Ala Leu Val His Leu Val
 145 150 155 160
 Leu Leu Leu Pro Leu Pro Phe Cys Gly Ser Gln Lys Val Asn His Phe
 165 170 175
 Phe Cys Glu Ile Ile Ala Val Leu Lys Leu Ala Cys Ser Asp Thr Arg
 180 185 190
 Ile Asn Glu Leu Met Val Leu Ala Gly Ala Val Ser Val Leu Val Gly
 195 200 205
 Pro Phe Ser Ser Ile Val Val Ser Tyr Ala His Ile Leu Cys Ala Ile
 210 215 220
 Leu Lys Ile Lys Ser Gln Gln Gly Arg Gln Lys Ala Phe Ser Thr Cys
 225 230 235 240
 Ser Ser His Leu Cys Val Val Gly Leu Phe Tyr Gly Thr Ala Ile Val
 245 250 255
 Met Tyr Ile Gly Pro Gln His Gly Lys Ser Asn Glu Gln Lys Lys Tyr
 260 265 270
 Leu Leu Leu Phe His Ser Leu Phe Asn Pro Met Leu Asn Pro Leu Ile
 275 280 285
 Tyr Ser Leu Arg Asn Lys Glu Val Lys Ser Ala Leu Lys Arg Thr Leu
 290 295 300
 Leu Lys Glu Asp Thr Ser
 305 310

<210> 1438
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1438

Met	Lys	Arg	Asp	Asn	Ala	Thr	Trp	Val	Ser	Glu	Phe	Ile	Leu	Met	Gly
1				5					10					15	
Leu	Ser	Ser	Asp	Lys	His	Ile	Gln	Ala	Gly	Leu	Phe	Val	Leu	Phe	Gly
			20					25					30		
Val	Ile	Tyr	Leu	Leu	Thr	Leu	Leu	Gly	Asn	Gly	Leu	Ile	Val	Leu	Leu
		35					40					45			
Ile	Ala	Leu	Asp	Pro	Arg	Leu	His	Leu	Pro	Met	Tyr	Phe	Phe	Leu	Cys
	50					55					60				
His	Leu	Ser	Val	Val	Asp	Ile	Cys	Tyr	Thr	Ser	Ser	Gly	Val	Pro	Gln
65					70					75					80
Met	Leu	Ala	His	Phe	Leu	Met	Glu	Lys	Lys	Thr	Ile	Ser	Phe	Ala	Leu
				85					90					95	
Cys	Gly	Thr	Gln	Leu	Phe	Phe	Ala	Leu	Thr	Leu	Gly	Gly	Thr	Glu	Phe
			100					105					110		
Leu	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Asn
		115					120					125			
Pro	Leu	Arg	Tyr	Thr	Val	Val	Met	Asn	Pro	Arg	Leu	Cys	Met	Gly	Leu
	130					135					140				
Ala	Gly	Val	Ser	Trp	Phe	Val	Gly	Val	Val	Asn	Ser	Ala	Val	Glu	Thr
145					150					155					160
Ala	Val	Thr	Met	Ser	Leu	Pro	Thr	Cys	Gly	His	Asn	Val	Leu	Asn	His
				165					170					175	
Val	Ala	Cys	Glu	Thr	Leu	Ala	Leu	Val	Arg	Leu	Ala	Cys	Val	Asp	Ile
		180						185					190		
Thr	Leu	Asn	Gln	Val	Val	Ile	Leu	Ala	Ser	Ser	Val	Val	Val	Leu	Leu
		195					200					205			
Val	Pro	Cys	Ser	Leu	Val	Ser	Leu	Ser	Tyr	Ala	His	Ile	Val	Ala	Ala
	210					215					220				
Ile	Met	Lys	Ile	Arg	Ser	Thr	Gln	Gly	Arg	Arg	Lys	Ala	Phe	Glu	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Val	Val	Ser	Met	Ser	Tyr	Gly	Met	Ala	Leu
				245					250					255	
Phe	Thr	Tyr	Met	Gln	Pro	Arg	Ser	Thr	Ala	Ser	Ala	Glu	Gln	Asp	Lys
			260					265					270		
Leu	Val	Val	Leu	Phe	Tyr	Ala	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ala	Ala	Phe	Ser	Arg	Val
	290					295					300				
Leu	Met	Lys	Asn	Ile	Glu	Ser	Lys	Asn							
305					310										

<210> 1439

<211> 317

<212> PRT

<213> Mus musculus

<400> 1439

Met	Glu	Thr	Asn	Asn	Glu	Thr	Gln	Leu	His	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Ser	Asp	Trp	Asp	Ser	Gln	Val	Ser	Leu	Phe	Val	Leu	Phe	Leu
			20					25					30		
Leu	Met	Tyr	Leu	Val	Thr	Val	Leu	Gly	Asn	Phe	Leu	Ile	Ile	Val	Leu
		35					40					45			
Ile	Arg	Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Thr
	50					55					60				

Asn	Leu	Ser	Leu	Val	Asp	Ala	Ser	Tyr	Ala	Thr	Ser	Ile	Val	Pro	Gln
65					70					75					80
Leu	Leu	Ala	His	Phe	Leu	Ala	Thr	His	Lys	Ala	Ile	Pro	Phe	Leu	Ser
			85						90					95	
Cys	Ala	Ala	Gln	Leu	Phe	Phe	Ser	Leu	Gly	Leu	Gly	Gly	Ile	Glu	Phe
			100					105					110		
Leu	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Asp
		115					120					125			
Pro	Leu	Arg	Tyr	Ser	Val	Ile	Met	His	Ala	Gly	Leu	Cys	Thr	Arg	Leu
	130					135					140				
Val	Ile	Thr	Ser	Trp	Val	Ser	Gly	Ser	Ile	Asn	Ser	Leu	Val	His	Thr
145					150					155					160
Ala	Ile	Thr	Phe	Gln	Leu	Pro	Met	Cys	Thr	Asn	Lys	Tyr	Ile	Asp	His
				165					170					175	
Ile	Ala	Cys	Glu	Thr	Leu	Ala	Val	Val	Arg	Leu	Ala	Cys	Val	Asp	Thr
			180					185					190		
Ser	Ser	Asn	Lys	Ile	Ala	Ile	Met	Val	Ser	Ser	Ile	Val	Leu	Leu	Met
		195					200					205			
Thr	Pro	Phe	Phe	Leu	Val	Leu	Leu	Ser	Tyr	Ile	Gln	Ile	Ile	Ser	Thr
	210					215					220				
Ile	Leu	Lys	Ile	Gln	Ser	Thr	Glu	Gly	Arg	Trp	Lys	Ala	Phe	His	Thr
225				230					235						240
Cys	Ala	Ser	His	Leu	Thr	Met	Val	Val	Leu	Cys	Tyr	Gly	Met	Ala	Ile
			245						250					255	
Phe	Thr	Tyr	Ile	Gln	Pro	His	Ser	Ser	Pro	Ser	Val	Leu	Gln	Glu	Lys
		260					265					270			
Leu	Met	Ser	Leu	Phe	Tyr	Ala	Ile	Leu	Thr	Pro	Met	Leu	Asn	Pro	Met
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Gly	Ala	Trp	Gln	Lys	Leu
	290					295					300				
Leu	Gly	Lys	Phe	Ser	Gly	Phe	Ala	Ser	Lys	Leu	Ala	Thr			
305					310					315					

<210> 1440
 <211> 304
 <212> PRT
 <213> Mus musculus

<400> 1440

Met	Ala	Arg	Glu	Asn	Asn	Val	Thr	Glu	Leu	Ile	Ile	Thr	Gly	Leu	Phe
1				5					10					15	
Gln	Asp	Pro	Asn	Val	Gln	Lys	Val	Cys	Phe	Val	Leu	Phe	Leu	Pro	Val
			20					25					30		
Tyr	Leu	Ala	Thr	Val	Leu	Gly	Asn	Gly	Leu	Ile	Val	Ala	Met	Val	Ile
		35					40					45			
Val	Ser	Lys	Ser	Leu	His	Ser	Pro	Met	Tyr	Ile	Phe	Leu	Ser	Ser	Leu
	50					55					60				
Ser	Leu	Val	Glu	Ile	Cys	Tyr	Ser	Ser	Thr	Val	Val	Pro	Lys	Phe	Ile
65					70				75						80
Thr	Asp	Leu	Leu	Ala	Lys	Val	Lys	Thr	Ile	Ser	Leu	Lys	Gly	Cys	Leu
				85				90						95	
Ala	Gln	Ile	Phe	Phe	Phe	His	Phe	Leu	Gly	Val	Ala	Glu	Ile	Phe	Leu
			100					105					110		
Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Met	Asn	Ile	Met	Ser	Arg	Gln	Val	Cys	His	Val	Leu	Val	Ala

130		135		140
Val Ser Trp Leu Gly Gly Phe Leu His Ser Ile Ile Gln Val Leu Ile				
145		150		160
Ser Ile Gln Leu Pro Phe Cys Gly Pro Asn Val Ile Asp His Tyr Phe				
	165		170	175
Cys Asp Leu Gln Pro Leu Phe Lys Leu Ala Cys Thr Asp Thr Phe Val				
	180		185	190
Glu Ser Val Ile Val Met Ala Asn Ser Gly Leu Ile Ala Leu Cys Ser				
	195		200	205
Phe Leu Val Leu Val Ser Ser Tyr Val Ile Ile Leu Val Asn Leu Arg				
	210		215	220
Lys His Ser Ala Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Ala Ser				
225		230		235
His Ile Thr Val Val Val Leu Phe Phe Gly Pro Ala Ile Phe Leu Tyr				
	245		250	255
Met Arg Pro Ser Ser Thr Phe Thr Glu Asp Lys Leu Val Ala Val Phe				
	260		265	270
Tyr Thr Val Ile Thr Pro Met Leu Asn Pro Ile Ile Tyr Thr Leu Arg				
	275		280	285
Asn Ala Glu Val Lys Asn Ala Val Arg Lys Leu Trp Gly Lys Arg Ile				
290		295		300

<210> 1441
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 1441

Met Ala Asn Lys Asn Asn Val Thr Glu Leu Ile Phe Thr Gly Leu Phe				
1		5		10
Gln Asp Pro Glu Val Gln Lys Val Cys Phe Val Leu Phe Leu Pro Val				
	20		25	30
Tyr Leu Ala Thr Leu Leu Gly Asn Ser Leu Ile Leu Val Ala Val Ser				
	35		40	45
Ile Ser Lys Thr Leu His Ser Pro Met Tyr Phe Phe Leu Ser Ser Leu				
	50		55	60
Ser Leu Val Glu Ile Cys Tyr Ser Ser Thr Ile Val Pro Lys Phe Ile				
65		70		75
Thr Asp Leu Leu Ala Lys Val Lys Thr Ile Ser Leu Lys Gly Cys Leu				
	85		90	95
Thr Gln Ile Phe Phe Ser His Phe Phe Gly Val Val Glu Val Ile Leu				
	100		105	110
Leu Val Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu				
	115		120	125
His Tyr Met Asn Ile Met Ser Arg Gln Val Cys His Met Leu Val Ala				
	130		135	140
Gly Ser Trp Leu Gly Gly Phe Ile His Ser Ile Ile Gln Ile Ile Ile				
145		150		155
Thr Ile Pro Leu Pro Phe Cys Gly Pro Asn Val Ile Asp His Tyr Phe				
	165		170	175
Cys Asp Leu Gln Gln Leu Phe Lys Leu Ala Cys Thr Asp Thr Phe Met				
	180		185	190
Glu Gly Phe Ile Val Met Ala Asn Ser Gly Leu Ile Ser Ile Val Ser				
	195		200	205
Leu Phe Ile Leu Val Ser Ser Tyr Ala Val Ile Leu Ile Ser Leu Arg				
	210		215	220

Lys Arg Ser Ala Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Ala Ser
 225 230 235 240
 His Ile Thr Val Val Ile Leu Phe Phe Val Pro Gly Ala Phe Ile Tyr
 245 250 255
 Met Arg Pro Ser Ser Thr Phe Thr Glu Asp Lys Leu Val Ser Val Phe
 260 265 270
 Tyr Thr Val Ile Thr Pro Met Leu Asn Pro Ile Val Tyr Thr Leu Arg
 275 280 285
 Asn Thr Glu Met Lys Asn Ala Ile Arg Met Ser Trp Lys Gln Lys Asp
 290 295 300
 Ser
 305

<210> 1442
 <211> 306
 <212> PRT
 <213> Mus musculus

<400> 1442
 Met Glu Pro Arg Asn Asn Val Thr Tyr Phe Val Leu Leu Gly Leu Ser
 1 5 10 15
 Glu Asn Pro Lys Val Gln Lys Gly Leu Phe Val Leu Phe Leu Leu Ser
 20 25 30
 Tyr Val Leu Thr Met Val Gly Asn Leu Leu Ile Val Met Thr Val Thr
 35 40 45
 Thr Ser Asn Ser Leu Gly Ser Pro Met Tyr Phe Phe Leu Ala Ser Leu
 50 55 60
 Ser Phe Val Asp Ile Ile Tyr Ser Ser Ala Ile Ser Pro Lys Leu Ile
 65 70 75 80
 Ser Asp Leu Phe Phe Gly Gln Asn Thr Ile Ser Phe Lys Phe Cys Met
 85 90 95
 Thr Gln Leu Phe Thr Glu His Phe Phe Gly Gly Ser Glu Val Phe Leu
 100 105 110
 Leu Leu Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu
 115 120 125
 His Tyr Ser Thr Ile Met Lys Gln Trp Val Cys Val Val Leu Leu Ile
 130 135 140
 Leu Ser Trp Ile Gly Gly Phe Leu His Ser Val Ile Gln Leu Ser Thr
 145 150 155 160
 Ile Tyr Gly Leu Pro Phe Cys Gly Pro Asn Ile Ile Asp His Phe Met
 165 170 175
 Cys Asp Met Tyr Pro Leu Leu Lys Leu Val Cys Ile Asp Thr Tyr Val
 180 185 190
 Ile Gly Leu Leu Val Met Ala Asn Gly Gly Leu Ile Cys Thr Val Val
 195 200 205
 Phe Ile Leu Leu Leu Ile Ser Tyr Gly Val Ile Leu Tyr Ser Leu Lys
 210 215 220
 Asn Leu Asn Gln Glu Gly Arg Trp Lys Ala Leu Ser Thr Cys Gly Ser
 225 230 235 240
 His Ile Thr Val Val Val Ser Phe Phe Val Pro Cys Ile Phe Met Tyr
 245 250 255
 Ala Arg Pro Ala Lys Thr Phe Pro Ile Asp Lys Met Leu Ser Val Phe
 260 265 270
 Tyr Thr Val Ile Thr Pro Met Met Asn Pro Leu Ile Tyr Thr Leu Arg
 275 280 285
 Asn Ser Glu Met Thr Asn Ala Met Lys Lys Leu Trp Arg Arg Lys Ile

290
Ile Ser
305

295

300

<210> 1443
<211> 309
<212> PRT
<213> Mus musculus

<400> 1443

Met	Glu	Asn	Gln	Asn	Asn	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Glu	Asn	Pro	Lys	Met	Gln	Lys	Ile	Val	Phe	Ile	Met	Phe	Phe	Leu	Ile
			20					25					30		
Tyr	Ile	Ile	Ser	Ile	Thr	Gly	Asn	Val	Leu	Ile	Val	Val	Thr	Ile	Thr
		35				40						45			
Ser	Thr	Ser	Leu	Leu	Glu	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Tyr	Leu
	50					55					60				
Ser	Phe	Ile	Asp	Ala	Cys	Tyr	Ser	Ser	Val	Ser	Thr	Pro	Lys	Leu	Ile
65					70					75					80
Ala	Asp	Ser	Leu	Cys	Glu	Lys	Lys	Thr	Ile	Pro	Phe	Asn	Gly	Cys	Met
				85					90					95	
Thr	Gln	Ile	Phe	Gly	Glu	His	Leu	Phe	Gly	Gly	Ala	Glu	Ile	Ile	Leu
		100						105					110		
Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Ala	Thr	Ile	Met	Ser	Arg	Arg	Leu	Cys	Ser	Leu	Leu	Val	Gly
	130					135					140				
Val	Ser	Trp	Leu	Gly	Gly	Phe	Leu	His	Ala	Thr	Ile	Gln	Ile	Leu	Phe
145					150					155					160
Ile	Phe	Gln	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Ile	Ile	Asp	His	Phe	Met
			165						170					175	
Cys	Asp	Leu	Asn	Pro	Leu	Leu	Asn	Leu	Val	Cys	Thr	Asp	Thr	His	Thr
			180					185					190		
Leu	Gly	Ile	Phe	Val	Ala	Ala	Asn	Ser	Gly	Phe	Ile	Cys	Leu	Leu	Asn
	195						200					205			
Phe	Leu	Leu	Leu	Leu	Val	Ser	Tyr	Val	Ala	Ile	Leu	Arg	Ser	Leu	Lys
	210					215					220				
Asn	His	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ile	Ser
225					230					235					240
His	Ile	Thr	Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe	Val	Tyr
			245						250					255	
Met	Arg	Pro	Val	Ala	Thr	Leu	Pro	Ile	Asp	Lys	Ala	Val	Ala	Met	Phe
			260					265					270		
Tyr	Thr	Met	Ile	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg
	275						280					285			
Asn	Ala	Gln	Met	Lys	Asp	Ala	Ile	Lys	Lys	Leu	Gly	Ser	Thr	Lys	Ile
	290					295					300				
Leu	Ser	Ser	Asn	Lys											
305															

<210> 1444
<211> 310
<212> PRT
<213> Mus musculus

<400> 1444

Met	Lys	Gln	Ile	Asn	Asn	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Gln	Asn	Pro	Asp	Val	Gln	Lys	Leu	Leu	Leu	Val	Ile	Phe	Ala	Leu	Ile
			20					25					30		
Tyr	Ser	Leu	Thr	Leu	Ile	Gly	Asn	Leu	Leu	Ile	Ile	Val	Thr	Val	Ile
		35					40						45		
Ser	Ser	Pro	Thr	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Phe	Leu
	50					55					60				
Ser	Phe	Val	Asp	Gly	Cys	Cys	Ser	Ser	Thr	Met	Ala	Pro	Lys	Met	Ile
65					70					75					80
Phe	Asp	Leu	Leu	Ala	Glu	Arg	Lys	Thr	Ile	Ser	Phe	Asn	Gly	Cys	Met
				85					90					95	
Thr	Gln	Ile	Phe	Ala	Glu	His	Phe	Phe	Gly	Gly	Val	Glu	Ile	Ile	Leu
			100						105					110	
Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120						125		
His	Tyr	Met	Ile	Thr	Met	Asn	Arg	Arg	Val	Cys	Gly	Phe	Leu	Val	Ser
	130					135						140			
Thr	Ala	Trp	Ala	Gly	Gly	Phe	Leu	His	Ala	Leu	Ile	Gln	Ile	Leu	Phe
145					150					155					160
Met	Val	Trp	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Ile	Ile	Asp	His	Phe	Ile
				165					170					175	
Cys	Asp	Leu	Phe	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Thr	Asp	Asn	His	Ile
			180						185					190	
Phe	Gly	Leu	Phe	Val	Ala	Ala	Asn	Ser	Gly	Leu	Met	Cys	Met	Leu	Ile
		195					200						205		
Phe	Ser	Ile	Leu	Leu	Thr	Ser	Tyr	Val	Leu	Ile	Phe	Cys	Ser	Leu	Lys
	210					215					220				
Thr	His	Ser	Thr	Glu	Glu	Gln	Leu	Lys	Ala	Leu	Ser	Thr	Cys	Ala	Ser
225					230					235					240
His	Ile	Thr	Val	Val	Leu	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe	Val	Tyr
				245					250					255	
Leu	Arg	Pro	Met	Val	Ile	Phe	Pro	Phe	Asp	Lys	Ala	Val	Ala	Val	Phe
			260					265						270	
Tyr	Thr	Val	Ile	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg
		275				280						285			
Asn	Thr	Glu	Val	Lys	Asn	Ala	Met	Arg	Lys	Leu	Trp	Asn	Gln	Arg	Lys
	290					295						300			
Pro	Gly	Lys	Arg	Phe	Thr										
305					310										

<210> 1445

<211> 308

<212> PRT

<213> Mus musculus

<400> 1445

Met	Ala	Asn	Lys	Asn	Asn	Ile	Thr	Glu	Leu	Ile	Phe	Thr	Gly	Leu	Phe
1				5					10					15	
Gln	Asp	Pro	Glu	Val	Gln	Lys	Val	Cys	Phe	Val	Leu	Phe	Leu	Pro	Val
			20					25					30		
Tyr	Leu	Ala	Thr	Leu	Leu	Gly	Asn	Ser	Leu	Ile	Val	Val	Ala	Val	Ser
		35					40					45			
Ile	Ser	Lys	Thr	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Ser	Leu

His	Tyr	Val	Thr	Ile	Met	Asn	Arg	Arg	Val	Cys	Gly	Leu	Leu	Val	Gly	
130						135					140					
Ala	Ala	Trp	Ser	Gly	Gly	Leu	Leu	His	Ser	Ala	Gly	Gln	Thr	Phe	Leu	
145					150					155					160	
Ile	Phe	Gln	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Ile	Ile	Asn	His	Tyr	Phe	
				165					170					175		
Cys	Asp	Val	His	Pro	Val	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr	Phe	Leu	
			180					185					190			
Ile	Ser	Leu	Leu	Val	Ile	Ile	Asn	Gly	Gly	Ser	Ile	Ser	Val	Ile	Ser	
	195						200					205				
Phe	Ala	Val	Leu	Leu	Ala	Ser	Tyr	Val	Val	Ile	Leu	Asn	Ser	Leu	Arg	
	210					215					220					
Ser	His	Thr	Ala	Glu	Gly	Arg	His	Lys	Ala	Leu	Ser	Thr	Cys	Ala	Ser	
225					230					235					240	
His	Leu	Ala	Val	Val	Gly	Leu	Phe	Phe	Ile	Pro	Cys	Ser	Phe	Val	Tyr	
				245					250					255		
Met	Arg	Pro	Cys	Ile	Thr	Phe	Pro	Val	Asp	Lys	Val	Val	Ala	Val	Phe	
			260					265					270			
Tyr	Thr	Val	Val	Thr	Pro	Leu	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Phe	Arg	
		275					280					285				
Asn	Thr	Glu	Val	Lys	Asn	Ala	Met	Lys	Arg	Leu	Val	Gly	Arg	Lys	Val	
	290					295					300					
Thr	Trp	Glu	Glu	Lys												
305																

<210> 1447
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1447

Met	Glu	Ile	Arg	Ser	Asn	Val	Thr	Glu	Phe	Val	Leu	Leu	Gly	Leu	Thr	
1				5					10					15		
Arg	Asn	Pro	Ser	Met	Gln	Lys	Ile	Val	Phe	Ala	Val	Phe	Val	Val	Ile	
			20					25					30			
Tyr	Ile	Ile	Ser	Met	Val	Gly	Asn	Val	Leu	Ile	Val	Val	Thr	Ile	Thr	
	35					40						45				
Ala	Ser	Pro	Ser	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Tyr	Leu	
	50				55					60						
Ser	Phe	Ile	Asp	Ala	Cys	Tyr	Ser	Ser	Val	Asn	Thr	Pro	Lys	Leu	Ile	
65					70				75					80		
Ile	Asp	Ser	Leu	His	Glu	Lys	Lys	Thr	Ile	Leu	Phe	Asn	Gly	Cys	Met	
			85					90					95			
Thr	Gln	Val	Phe	Gly	Glu	His	Phe	Phe	Gly	Gly	Ala	Glu	Gly	Ile	Leu	
			100					105					110			
Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	
		115					120					125				
His	Tyr	Thr	Thr	Ile	Met	Ser	Arg	Arg	Val	Cys	Gly	Leu	Leu	Val	Gly	
	130				135						140					
Val	Val	Trp	Val	Gly	Gly	Phe	Leu	His	Ala	Thr	Ile	Gln	Ile	Leu	Phe	
145					150					155				160		
Ile	Phe	Lys	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Phe	Met	
				165					170					175		
Cys	Asp	Leu	Asn	Pro	Leu	Leu	Asn	Leu	Ala	Cys	Thr	Asp	Thr	His	Ile	
			180					185				190				
Leu	Gly	Leu	Phe	Val	Ala	Ala	Asn	Ser	Gly	Phe	Ile	Cys	Leu	Leu	Asn	

	195		200		205										
Phe	Leu	Leu	Leu	Val	Ser	Tyr	Val	Val	Ile	Leu	Arg	Ser	Leu	Arg	
	210				215					220					
Asn	His	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Val	Ser
225					230					235					240
His	Ile	Thr	Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe	Val	Tyr
				245					250					255	
Met	Arg	Pro	Ser	Ala	Thr	Leu	Ser	Ile	Asp	Lys	Ala	Val	Ala	Val	Phe
			260					265					270		
Tyr	Thr	Met	Ile	Thr	Pro	Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg
	275						280					285			
Asn	Ala	Gln	Met	Lys	Asp	Ala	Ile	Lys	Lys	Leu	Cys	Arg	Trp	Lys	Asp
	290					295					300				
Asp	Val	Ile	Ser	Ile	Asn	Lys									
305					310										

<210> 1448
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1448

Met	Asn	Asp	Thr	Glu	His	Met	Glu	Asn	Lys	Arg	Asn	Val	Thr	Glu	Phe
1				5					10					15	
Ile	Leu	Ile	Gly	Leu	Thr	Gln	Asn	Pro	Gln	Met	Gln	Lys	Val	Val	Phe
			20					25				30			
Val	Thr	Phe	Leu	Leu	Leu	Tyr	Met	Ile	Thr	Ile	Ser	Gly	Asn	Leu	Leu
		35					40					45			
Ile	Val	Val	Thr	Ile	Ile	Asn	Ser	Gln	Ala	Leu	Asn	Ser	Pro	Met	Tyr
	50					55					60				
Phe	Phe	Leu	Ser	His	Leu	Ser	Leu	Ile	Asp	Thr	Ile	Tyr	Thr	Ser	Ser
65				70					75						80
Ser	Ala	Pro	Lys	Leu	Ile	Ala	Asp	Ser	Leu	Gln	Glu	Asn	Lys	Val	Ile
			85					90					95		
Ser	Phe	Asn	Gly	Cys	Met	Ala	Gln	Val	Tyr	Ala	Glu	His	Ile	Phe	Gly
		100					105					110			
Ala	Thr	Glu	Ile	Ile	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val
	115						120					125			
Ala	Ile	Cys	Lys	Pro	Leu	His	Tyr	Met	Thr	Ile	Met	Ser	His	Lys	Leu
	130					135					140				
Cys	Ile	Leu	Leu	Val	Gly	Val	Ala	Trp	Thr	Gly	Gly	Phe	Leu	His	Ala
145				150					155						160
Thr	Ile	Gln	Ile	Leu	Phe	Thr	Val	Trp	Leu	Pro	Phe	Cys	Gly	Pro	Asn
			165					170					175		
Ile	Ile	Asp	His	Phe	Met	Cys	Asp	Leu	Tyr	Pro	Leu	Leu	Glu	Leu	Val
		180						185					190		
Cys	Met	Asp	Thr	His	Thr	Leu	Gly	Leu	Phe	Val	Ala	Ala	Asn	Ser	Gly
	195						200					205			
Phe	Ile	Cys	Leu	Phe	Asn	Phe	Leu	Leu	Leu	Met	Gly	Ser	Tyr	Val	Ile
	210				215						220				
Ile	Leu	Arg	Ser	Leu	Lys	Asn	Tyr	Ser	Leu	Glu	Gly	Arg	Arg	Lys	Ala
225				230						235					240
Leu	Ser	Thr	Cys	Val	Ser	His	Ile	Thr	Val	Val	Val	Leu	Ser	Phe	Ile
			245					250						255	
Pro	Cys	Ile	Phe	Val	Tyr	Leu	Arg	Pro	Val	Thr	Thr	Leu	Pro	Ile	Asp
	260							265					270		

Lys Ala Val Ala Val Phe Tyr Thr Leu Val Ala Pro Leu Leu Asn Pro
 275 280 285
 Leu Ile Tyr Thr Leu Arg Asn Ser Glu Val Lys Asn Ala Ile Lys Lys
 290 295 300
 Leu Trp Arg Lys Lys Ile
 305 310

<210> 1449
 <211> 301
 <212> PRT
 <213> Mus musculus

<400> 1449
 Met Asn Asn Ile Thr Glu Phe Ile Leu Val Gly Leu Thr Gln Asn Met
 1 5 10 15
 Glu Leu Gln Ile Phe Ser Phe Val Val Phe Phe Ile Val Tyr Leu Leu
 20 25 30
 Thr Leu Ala Gly Asn Leu Leu Ile Met Val Thr Ile Ser Ser Ser Lys
 35 40 45
 Ala Leu Gly Ser Pro Met Tyr Phe Phe Leu Ser Phe Leu Ser Leu Ile
 50 55 60
 Asp Gly Cys Cys Ser Ser Ser Met Thr Pro Lys Met Leu Ala Asp Ser
 65 70 75 80
 Leu Ser Val Arg Lys Thr Ile Ser Phe Ser Gly Cys Met Thr Gln Val
 85 90 95
 Phe Ala Glu His Phe Phe Gly Ala Ala Glu Ile Ile Leu Leu Thr Val
 100 105 110
 Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu Arg Tyr Thr
 115 120 125
 Ile Ile Met Asn Arg Phe Val Cys Gly Leu Leu Val Gly Val Ala Trp
 130 135 140
 Ala Gly Gly Phe Ile His Ala Thr Ile Gln Ile Leu Phe Thr Val Trp
 145 150 155 160
 Leu Pro Phe Cys Gly Pro Asn Val Ile Asp His Phe Met Cys Asp Leu
 165 170 175
 Thr Pro Leu Leu Lys Leu Val Cys Met Asp Thr His Asn Leu Gly Leu
 180 185 190
 Phe Val Ala Ala Asn Ser Gly Phe Ile Cys Leu Leu Asn Phe Leu Leu
 195 200 205
 Leu Met Ile Ser Tyr Ile Val Ile Leu Asp Ala Leu Lys Ser His Ser
 210 215 220
 Lys Glu Gly Arg Cys Lys Ala Leu Ser Thr Cys Val Ser His Ile Thr
 225 230 235 240
 Val Val Ile Leu Phe Phe Val Pro Cys Ile Phe Val Tyr Leu Arg Pro
 245 250 255
 Val Ile Thr Phe Ser Ile Asp Lys Ala Val Ala Val Phe Tyr Thr Met
 260 265 270
 Ile Thr Pro Met Leu Asn Pro Leu Ile Tyr Thr Leu Arg Asn Thr Glu
 275 280 285
 Val Lys Asn Ala Met Lys Lys Leu Cys Ile Lys Val Asp
 290 295 300

<210> 1450
 <211> 307
 <212> PRT

<213> Mus musculus

<400> 1450

```
Met Ala Ser Val Asn Val Thr Glu Leu Ile Ile Thr Gly Leu Phe Gln
 1          5          10          15
Asp Pro Asp Val Gln Lys Val Cys Phe Val Leu Phe Leu Pro Val Tyr
 20          25          30
Leu Ala Thr Val Leu Gly Asn Gly Leu Ile Val Val Thr Ile Ser Val
 35          40          45
Ser Lys Ser Leu Asn Ser Pro Met Tyr Ile Phe Leu Ser Ser Leu Ser
 50          55          60
Ile Val Glu Ile Cys Tyr Ser Ser Thr Val Val Pro Lys Phe Ile Thr
 65          70          75          80
Asp Leu Leu Ala Lys Val Lys Thr Ile Ser Leu Lys Gly Cys Leu Thr
 85          90          95
Gln Ile Phe Phe Phe His Phe Leu Gly Val Ala Glu Ile Leu Leu Leu
100          105          110
Val Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu His
115          120          125
Tyr Met Asn Ile Met Ser Arg Gln Val Cys His Met Leu Val Gly Gly
130          135          140
Ser Trp Leu Gly Gly Leu Ile His Ser Ile Ile Gln Ile Val Ile Thr
145          150          155          160
Ile Pro Leu Pro Phe Cys Gly Pro Asn Val Ile Asp His Tyr Phe Cys
165          170          175
Asp Leu Gln Pro Leu Phe Lys Leu Ala Cys Thr Asp Thr Phe Met Glu
180          185          190
Gly Val Val Val Met Ala Asn Ser Gly Leu Ile Ser Ile Ile Ser Leu
195          200          205
Phe Ile Leu Val Ser Ser Tyr Ala Ile Ile Leu Ile Ser Leu Arg Lys
210          215          220
His Ser Ala Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Ala Ser His
225          230          235          240
Ile Thr Val Val Ile Leu Phe Phe Gly Pro Ala Thr Phe Leu Tyr Leu
245          250          255
Arg Pro Ser Ser Ser Phe Thr Glu Asp Lys Leu Val Ala Val Phe Tyr
260          265          270
Thr Val Ile Thr Pro Met Leu Asn Pro Ile Ile Tyr Thr Leu Arg Asn
275          280          285
Ala Glu Val Lys Asn Ala Met Lys Lys Leu Trp Gly Lys Arg Asn Pro
290          295          300
Glu Thr Glu
305
```

<210> 1451

<211> 304

<212> PRT

<213> Mus musculus

<400> 1451

```
Met Ser Asn Val Thr Glu Phe Ile Leu Leu Gly Leu Thr Gln Asp Pro
 1          5          10          15
Asp Leu Gln Lys Leu Leu Phe Ile Val Cys Leu Ile Ile Tyr Leu Ile
 20          25          30
Thr Leu Ala Gly Asn Met Leu Ile Ser Val Thr Ile Phe Ile Ser Pro
 35          40          45
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Ala	Leu	Ala	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Tyr	Leu	Ser	Ile	Ile
50						55					60				
Asp	Gly	Phe	Tyr	Ser	Ser	Ser	Ile	Thr	Pro	Lys	Met	Ile	Tyr	Asp	Leu
65				70						75					80
Ile	Ser	Glu	Lys	Ser	Thr	Ile	Ser	Phe	Asn	Gly	Cys	Met	Thr	Gln	Leu
				85					90					95	
Phe	Ala	Glu	His	Phe	Phe	Ala	Ala	Ala	Glu	Ile	Ile	Leu	Leu	Ile	Ser
			100					105					110		
Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His	Tyr	Met
		115					120					125			
Thr	Ile	Met	Asn	Arg	His	Val	Cys	Ile	Phe	Leu	Val	Val	Ala	Ala	Gly
		130				135					140				
Ile	Val	Gly	Phe	Val	His	Gly	Met	Ile	Gln	Thr	Thr	Phe	Ile	Ala	Gln
145					150				155						160
Leu	Pro	Phe	Cys	Gly	Pro	Asn	Ile	Ile	Asn	His	Phe	Ile	Cys	Asp	Leu
				165					170					175	
Ile	Pro	Leu	Leu	Glu	Leu	Ala	Cys	Thr	Asp	Thr	His	Thr	Leu	Gly	Pro
			180					185					190		
Leu	Ile	Ala	Ala	Asn	Ser	Gly	Ser	Met	Cys	Leu	Leu	Ile	Phe	Ser	Met
		195				200						205			
Leu	Val	Ala	Ser	Tyr	Val	Val	Ile	Leu	Arg	Ser	Leu	Arg	Asn	His	Ser
		210				215					220				
Ala	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ala	Ser	His	Val	Thr
225					230					235					240
Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ser	Tyr	Leu	Tyr	Val	Arg	Pro
				245					250					255	
Val	Ile	Ser	Phe	His	Ile	Asp	Lys	Ile	Val	Ser	Val	Phe	Tyr	Thr	Leu
			260					265					270		
Val	Thr	Pro	Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Glu	Glu
		275				280						285			
Val	Lys	Arg	Val	Met	Lys	Lys	Leu	Leu	Gly	Ser	Asn	His	Val	Lys	His
		290				295					300				

<210> 1452
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1452

Met	Glu	Asn	Arg	Asn	Asn	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Gln	Asn	Pro	Glu	Gly	Gln	Lys	Val	Leu	Phe	Val	Thr	Phe	Leu	Leu	Ile
		20						25					30		
Tyr	Ile	Val	Thr	Val	Met	Gly	Asn	Leu	Leu	Ile	Met	Val	Thr	Ile	Met
		35				40						45			
Ala	Ser	Gln	Ser	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Tyr	Leu
		50				55					60				
Ser	Phe	Ile	Asp	Thr	Val	Tyr	Ser	Thr	Ser	Ile	Ala	Pro	Lys	Met	Ile
65					70					75					80
Ile	Asp	Leu	Leu	Tyr	Glu	Thr	Lys	Thr	Ile	Ser	Phe	Arg	Ala	Cys	Met
				85					90					95	
Thr	Gln	Val	Phe	Ile	Asp	His	Leu	Phe	Ala	Gly	Ala	Glu	Val	Ile	Leu
			100					105					110		
Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115				120						125			
His	Tyr	Leu	Thr	Ile	Met	Asn	Arg	Arg	Val	Cys	Val	Leu	Met	Leu	Leu

130		135		140
Gly Ala Trp Ile Gly	Gly Phe Leu His Ser Leu	Ile Gln Phe Ile Phe		
145	150	155	160	
Ile Tyr Gln Leu Pro	Phe Cys Gly Pro Asn Ile	Ile Asp Ser Phe Val		
	165	170	175	
Cys Asp Met Tyr Pro	Leu Leu Lys Leu Ala Cys	Thr Asn Thr Tyr Leu		
	180	185	190	
Ile Gly Leu Cys Met	Ile Ala Asn Gly Gly Ala	Ile Cys Thr Val Thr		
	195	200	205	
Phe Leu Ile Leu Leu	Val Ser Tyr Gly Val Ile	Leu His Ser Leu Lys		
	210	215	220	
Ala His Ser Leu Glu	Gly Lys Arg Lys Ala Leu	Tyr Thr Cys Ala Ser		
225	230	235	240	
His Ile Thr Val Val	Val Leu Phe Phe Val Pro	Cys Ile Phe Leu Tyr		
	245	250	255	
Ala Arg Pro Thr Ser	Thr Phe Pro Ile Asp Lys	Ser Val Thr Val Val		
	260	265	270	
Leu Thr Phe Ile Thr	Pro Met Leu Asn Pro Leu	Ile Tyr Thr Leu Arg		
	275	280	285	
Asn Ala Glu Met Lys	Asn Ala Met Lys Arg Leu	Trp Ser Lys Lys Ser		
	290	295	300	
Ser Ser Ile Val Ser	Gly Leu Tyr His Ser			
305	310			

<210> 1453
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 1453

Met Asn Val Thr Glu Phe Ile Leu Met Gly Leu Thr Gln Asn Pro Gln	
1 5 10 15	
Leu Gln Arg Ile Leu Leu Leu Met Leu Leu Ile Ile Tyr Ile Val Thr	
20 25 30	
Val Thr Gly Asn Leu Leu Ile Val Gly Thr Ile Val Cys Ser Gln Thr	
35 40 45	
Leu Asn Ser Pro Met Tyr Phe Phe Leu Ala Phe Leu Ser Leu Ile Asp	
50 55 60	
Ala Cys Tyr Ser Ser Ser Ile Ile Pro Lys Met Leu Ala Asp Leu Met	
65 70 75 80	
Ser Glu Arg Lys Thr Ile Ser Phe His Gly Cys Met Ile Gln Leu Phe	
85 90 95	
Val Glu His Phe Leu Gly Ala Ser Glu Ile Val Leu Leu Val Val Met	
100 105 110	
Ala Tyr Asp Arg Tyr Val Ala Ile Cys Arg Pro Leu His Tyr Val Thr	
115 120 125	
Arg Met Asn His His Asn Cys Cys Val Leu Val Gly Val Cys Trp Ile	
130 135 140	
Met Gly Phe Leu His Ser Phe Gly Gln Ile Leu Val Thr Leu Trp Ile	
145 150 155 160	
Pro Phe Cys Gly Pro Asn Val Met Asp His Phe Cys Cys Asp Ile Phe	
165 170 175	
Pro Leu Leu Gln Leu Ala Cys Ala Asp Thr Phe Leu Leu Gly Leu Leu	
180 185 190	
Ile Ala Ala Asn Gly Gly Val Ile Pro Val Ile Thr Phe Thr Met Leu	
195 200 205	

Leu Met Ser Tyr Ala Val Ile Leu Phe Ser Leu Arg Thr His Ser Thr
 210 215 220
 Ala Gly Arg Lys Lys Ala Leu Ser Thr Cys Ser Ser His Ile Thr Val
 225 230 235 240
 Val Val Leu Phe Phe Val Pro Cys Ile Tyr Thr Tyr Met Arg Pro Val
 245 250 255
 Thr Thr Phe His Thr Asp Lys Ala Ile Ala Val Phe Tyr Thr Leu Val
 260 265 270
 Thr Pro Met Leu Asn Pro Ile Ile Tyr Thr Val Arg Asn Ala Glu Val
 275 280 285
 Lys Asn Ala Ile Arg Met Ile Leu Lys Lys Asn Ser Ile Leu Asp Asn
 290 295 300
 Lys
 305

<210> 1454
 <211> 323
 <212> PRT
 <213> Mus musculus

<400> 1454
 Met Asn Arg Phe Tyr Phe Asn Ile Ser Leu Lys Thr Met Gln Asn Gln
 1 5 10 15
 Ser Phe Val Thr Glu Phe Ile Leu Leu Gly Leu Ser Gln Asn Pro Asn
 20 25 30
 Val Glu Asn Ile Leu Cys Val Val Phe Leu Phe Ile Tyr Leu Ala Thr
 35 40 45
 Ile Gly Gly Asn Ile Met Ile Val Val Thr Ile Ile Tyr Ser Pro Ala
 50 55 60
 Leu Leu Ser Ser Pro Met Tyr Phe Phe Leu Ile Phe Leu Ser Leu Leu
 65 70 75 80
 Asp Ala Cys Thr Ser Ser Thr Val Thr Pro Lys Met Met Val Asp Leu
 85 90 95
 Phe Tyr Glu Arg Lys Thr Ile Ser Phe Glu Cys Cys Met Thr Gln Leu
 100 105 110
 Phe Ala Ile His Phe Phe Thr Gly Ile Glu Val Ile Ile Leu Ser Ala
 115 120 125
 Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu His Tyr Ser
 130 135 140
 Ser Ile Met Thr Arg Arg Leu Cys Gly Ile Leu Val Met Val Ser Trp
 145 150 155 160
 Thr Gly Gly Phe Leu His Ser Leu Ile Gln Ile Ile Phe Thr Leu Gln
 165 170 175
 Leu Pro Phe Cys Gly Pro Asn Val Ile Asp His Tyr Leu Cys Asp Leu
 180 185 190
 Phe Pro Leu Leu Lys Leu Ala Cys Thr Asp Thr His Ile Phe Val Ile
 195 200 205
 Leu Val Phe Ser Asn Ser Gly Ser Ile Ser Ile Ile Ile Phe Ser Ile
 210 215 220
 Leu Leu Val Ser Tyr Gly Val Ile Leu Phe Ser Leu Arg Ala His Ser
 225 230 235 240
 Ser Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Gly Ser His Ile Thr
 245 250 255
 Val Val Leu Leu Phe Phe Val Pro Cys Phe Leu Ile Tyr Ala Arg Pro
 260 265 270
 Pro Ser Ala Phe Ser Ser Glu Lys Asn Ala Phe Val Phe Ala Thr Ile

<210> 1456
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 1456
 Met Gly Gln Ser Tyr Asn Val Thr Glu Phe Ile Phe Val Asp Leu Thr
 1 5 10 15
 Gln Asp Pro Ala Gly Lys Lys Ala Leu Phe Val Leu Phe Ser Leu Thr
 20 25 30
 Tyr Ile Val Thr Met Leu Gly Asn Leu Leu Ile Ala Val Thr Val Ile
 35 40 45
 Ala Ser Pro Ser Leu Asn Ser Pro Met Tyr Phe Phe Leu Ala Cys Leu
 50 55 60
 Ser Val Leu Asp Ala Phe Tyr Cys Asn Thr Ile Ser Pro Asn Leu Ile
 65 70 75 80
 Ile Gly Leu Leu Lys Asp Lys Asn Asn Ile Ser Phe Arg Ala Cys Met
 85 90 95
 Leu Gln Leu Phe Val Glu His Leu Phe Gly Gly Val Glu Val Phe Leu
 100 105 110
 Leu Val Phe Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu
 115 120 125
 His Tyr Leu Thr Ile Met Asn Gln Arg Val Cys Ile Leu Leu Leu Leu
 130 135 140
 Val Ala Gly Val Gly Gly Ile Leu His Ser Leu Ile Gln Val Leu Thr
 145 150 155 160
 Val Tyr Lys Leu Pro Phe Cys Gly Pro Asn Val Ile Asp His Phe Met
 165 170 175
 Cys Asp Met Asn Pro Leu Leu Gly Leu Ala Cys Thr Asp Thr Tyr Phe
 180 185 190
 Leu Gly Ile Thr Val Ile Ala Asn Gly Gly Val Ile Cys Val Gly Ile
 195 200 205
 Phe Thr Phe Leu Leu Val Ser Tyr Gly Ile Ile Leu Asn Ser Leu Lys
 210 215 220
 Thr His Ser Gln Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Ser Ser
 225 230 235 240
 His Ile Met Val Val Val Cys Phe Phe Ala Pro Cys Ile Phe Ile Tyr
 245 250 255
 Ala Arg Pro Val Ser Asn Phe Ser Ile Asp Lys Tyr Ile Ala Val Phe
 260 265 270
 Tyr Thr Val Val Ser Pro Met Leu Asn Pro Leu Ile Tyr Thr Leu Arg
 275 280 285
 Asn Ser Glu Met Lys Asn Ser Ile Lys Lys Leu Trp Cys Lys Thr Leu
 290 295 300
 Ala
 305

<210> 1457
 <211> 306
 <212> PRT
 <213> Mus musculus

<400> 1457
 Met Gly Gln Asn His Asn Val Thr Glu Phe Ile Phe Val Gly Leu Ser
 1 5 10 15
 Gln Asp Pro Ala Gly Gln Lys Val Leu Phe Val Leu Phe Ser Leu Thr

305

310

<210> 1462
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1462

Met	Met	Leu	Arg	Leu	Asn	Gln	Thr	Glu	Val	Thr	Glu	Phe	Val	Leu	Glu
1				5					10					15	
Gly	Phe	Ser	Glu	His	Pro	Asp	Leu	Arg	Leu	Phe	Leu	Ile	Gly	Cys	Phe
			20					25					30		
Leu	Thr	Leu	Tyr	Ile	Met	Ala	Leu	Met	Gly	Asn	Ile	Leu	Ile	Ile	Ala
			35					40					45		
Leu	Val	Thr	Ser	Ser	Thr	Gly	Leu	His	Asn	Pro	Met	Tyr	Phe	Phe	Leu
			50					55				60			
Cys	Asn	Leu	Ala	Thr	Thr	Asp	Ile	Leu	Cys	Thr	Ser	Ser	Val	Ile	Pro
65						70				75					80
Lys	Ala	Leu	Val	Gly	Leu	Val	Ser	Glu	Glu	Asn	Thr	Ile	Ser	Phe	Lys
				85					90					95	
Glu	Cys	Met	Ser	Gln	Leu	Phe	Phe	Leu	Ala	Trp	Ser	Ala	Ser	Ser	Glu
			100					105					110		
Leu	Leu	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
			115				120						125		
Cys	Pro	Leu	His	Tyr	Ser	Ser	Arg	Met	Ser	Pro	Gln	Met	Cys	Gly	Ala
			130				135					140			
Leu	Ala	Met	Gly	Val	Trp	Ser	Ile	Ser	Ala	Val	Asn	Ala	Ser	Val	His
145						150				155					160
Thr	Gly	Leu	Met	Thr	Arg	Leu	Ser	Phe	Cys	Gly	Pro	Lys	Val	Ile	Thr
				165					170					175	
His	Phe	Phe	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Leu	Leu	Ser	Cys	Ser	Pro
			180					185					190		
Thr	Tyr	Val	Asn	Thr	Ile	Met	Thr	Leu	Leu	Gly	Asp	Ser	Phe	Phe	Gly
			195					200					205		
Gly	Val	Asn	Phe	Val	Leu	Thr	Leu	Leu	Ser	Tyr	Gly	Cys	Ile	Ile	Ala
			210				215					220			
Ser	Ile	Leu	Arg	Met	Arg	Ser	Ala	Glu	Gly	Lys	Arg	Lys	Ala	Phe	Ser
225						230				235					240
Thr	Cys	Ser	Ser	His	Leu	Ile	Val	Val	Ser	Val	Tyr	Tyr	Ser	Ser	Val
				245					250					255	
Phe	Cys	Ala	Tyr	Val	Ser	Pro	Ala	Ser	Ser	Tyr	Ser	Pro	Glu	Arg	Ser
			260					265					270		
Lys	Val	Thr	Ser	Val	Leu	Tyr	Ser	Ile	Val	Ser	Pro	Thr	Leu	Asn	Pro
			275					280					285		
Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Leu	Ala	Leu	Gly	Arg
			290			295					300				
Ile	Leu	Ala	Ser	Phe	Ser	His									
305						310									

<210> 1463
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1463

Met	Met	Met	Leu	Arg	Leu	Asn	Gln	Thr	Glu	Val	Thr	Glu	Phe	Val	Leu
1				5					10					15	
Glu	Gly	Phe	Ser	Glu	His	Pro	Asp	Leu	Arg	Leu	Phe	Leu	Ile	Gly	Cys
			20					25					30		
Phe	Leu	Ser	Leu	Tyr	Met	Met	Ala	Leu	Met	Gly	Asn	Ile	Val	Ile	Ile
		35					40					45			
Ala	Leu	Val	Thr	Ser	Ser	Thr	Gly	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe
	50					55					60				
Leu	Cys	Asn	Leu	Ala	Thr	Met	Asp	Ile	Val	Cys	Thr	Ser	Ser	Val	Ile
65					70					75					80
Pro	Lys	Ala	Leu	Val	Gly	Leu	Val	Ser	Gly	Glu	Asn	Thr	Ile	Ser	Phe
				85					90					95	
Lys	Gly	Cys	Met	Ala	Gln	Leu	Phe	Phe	Leu	Val	Trp	Ser	Ala	Ser	Ser
			100					105					110		
Glu	Leu	Leu	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Phe	Pro	Leu	His	Tyr	Ser	Ser	Arg	Met	Ser	Pro	Gln	Leu	Cys	Gly
	130					135					140				
Ala	Leu	Ala	Val	Gly	Val	Trp	Ser	Ile	Cys	Ala	Leu	Asn	Ala	Ser	Val
145					150					155					160
His	Thr	Gly	Leu	Met	Thr	Arg	Leu	Ser	Phe	Cys	Gly	Pro	Lys	Ile	Ile
				165					170					175	
Thr	His	Phe	Phe	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Leu	Leu	Ser	Cys	Ser
			180					185					190		
Pro	Thr	Tyr	Ile	Asn	Ser	Val	Met	Thr	Leu	Val	Ala	Asp	Ala	Phe	Tyr
		195					200					205			
Gly	Gly	Ile	Asn	Phe	Val	Leu	Thr	Leu	Leu	Ser	Tyr	Gly	Tyr	Ile	Ile
	210					215					220				
Gly	Ser	Ile	Leu	Arg	Met	Arg	Ser	Ala	Glu	Gly	Lys	Arg	Lys	Ala	Phe
225					230					235					240
Ser	Thr	Cys	Ser	Ser	His	Leu	Ile	Val	Val	Ser	Val	Tyr	Tyr	Ser	Ser
				245					250					255	
Val	Phe	Cys	Ala	Tyr	Val	Ser	Pro	Ala	Ser	Ser	Tyr	Ser	Pro	Glu	Arg
			260					265					270		
Ser	Lys	Val	Ser	Ser	Val	Leu	Tyr	Ser	Val	Leu	Ser	Pro	Thr	Leu	Asn
		275					280					285			
Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Leu	Ala	Leu	Gly
	290					295					300				
Arg	Ile	Leu	Pro	Ser	Phe	Ser	His								
305						310									

<210> 1464

<211> 319

<212> PRT

<213> Mus musculus

<400> 1464

Met	Val	Asp	Leu	Val	Leu	Ser	Met	Met	Met	Leu	Asn	Leu	Asn	Gln	Thr
1				5					10					15	
Glu	Val	Thr	Glu	Phe	Val	Leu	Glu	Gly	Phe	Ser	Glu	His	Pro	Gly	Leu
			20					25					30		
Arg	Leu	Phe	Leu	Thr	Gly	Cys	Phe	Leu	Ser	Leu	Tyr	Met	Met	Ala	Leu
		35					40					45			
Met	Gly	Asn	Ile	Leu	Ile	Ile	Ala	Leu	Val	Thr	Phe	Ser	Thr	Gly	Leu
	50					55					60				
His	Asn	Pro	Met	Tyr	Phe	Phe	Leu	Cys	Asn	Leu	Ala	Thr	Met	Asp	Ile

65					70					75				80	
Ile	Cys	Thr	Ser	Ser	Val	Ile	Pro	Lys	Ala	Leu	Val	Gly	Leu	Val	Ser
				85					90					95	
Glu	Glu	Asn	Thr	Ile	Ser	Phe	Lys	Gly	Cys	Met	Ser	Gln	Leu	Phe	Phe
			100					105					110		
Leu	Thr	Trp	Ser	Ala	Ser	Ser	Glu	Leu	Leu	Leu	Leu	Thr	Val	Met	Ala
		115					120					125			
Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe	Pro	Leu	His	Tyr	Ser	Ser	Arg
	130					135					140				
Met	Ser	Pro	Gln	Leu	Cys	Gly	Ala	Leu	Ala	Met	Val	Val	Trp	Phe	Ile
145				150						155					160
Gly	Leu	Val	Asn	Ala	Cys	Val	His	Thr	Gly	Leu	Met	Thr	Arg	Leu	Ser
			165						170					175	
Phe	Cys	Gly	Pro	Lys	Val	Ile	Thr	His	Phe	Phe	Cys	Glu	Ile	Pro	Pro
			180					185					190		
Leu	Leu	Leu	Leu	Ser	Cys	Ser	Pro	Thr	Tyr	Val	Asn	Ser	Ile	Leu	Thr
		195					200					205			
Leu	Val	Ala	Asp	Ala	Phe	Phe	Val	Gly	Ile	Asn	Phe	Met	Leu	Thr	Leu
	210					215					220				
Leu	Ser	Tyr	Gly	Cys	Ile	Ile	Ala	Ser	Ile	Leu	Arg	Met	Arg	Ser	Ala
225				230					235						240
Glu	Gly	Lys	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Ile	Val
			245					250						255	
Val	Ser	Val	Tyr	Tyr	Ser	Ser	Met	Phe	Cys	Ala	Tyr	Ile	Ser	Pro	Ala
		260					265					270			
Ser	Ser	Tyr	Ser	Pro	Glu	Arg	Ser	Lys	Val	Thr	Ser	Val	Leu	Tyr	Ser
		275					280					285			
Ile	Leu	Ser	Pro	Thr	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys
	290				295						300				
Asp	Val	Lys	Leu	Ala	Leu	Gly	Arg	Ile	Leu	Ala	Ser	Phe	Ser	His	
305				310						315					

<210> 1465
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1465

Met	Met	Leu	Leu	Ser	Leu	Asn	Gln	Thr	Gly	Val	Thr	Glu	Phe	Val	Leu
1				5					10					15	
Glu	Gly	Phe	Ser	Glu	His	Pro	Gly	Leu	Arg	Leu	Phe	Leu	Thr	Gly	Cys
		20					25					30			
Phe	Leu	Thr	Leu	Tyr	Met	Met	Ala	Leu	Met	Gly	Asn	Ile	Val	Ile	Ile
	35					40					45				
Ala	Leu	Val	Thr	Ser	Ser	Thr	Gly	Leu	His	Asn	Pro	Met	Tyr	Phe	Phe
	50					55					60				
Leu	Cys	Asn	Leu	Ala	Thr	Thr	Asp	Ile	Val	Cys	Thr	Ser	Ser	Val	Ile
65					70				75						80
Pro	Lys	Ala	Leu	Ile	Gly	Leu	Val	Ser	Glu	Glu	Asn	Ile	Ile	Thr	Phe
			85					90						95	
Lys	Gly	Cys	Met	Ala	Gln	Leu	Phe	Phe	Leu	Ala	Trp	Ala	Thr	Ser	Ala
		100					105					110			
Glu	Leu	Leu	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile
	115					120						125			
Cys	Phe	Pro	Leu	His	Tyr	Ser	Ser	Arg	Met	Ser	Pro	Gln	Leu	Cys	Gly
	130					135					140				

Ala	Leu	Ala	Val	Gly	Val	Trp	Ser	Ile	Ser	Ala	Val	Asn	Ala	Ser	Val
145					150					155					160
His	Thr	Gly	Leu	Met	Thr	Arg	Leu	Ser	Phe	Cys	Gly	Pro	Lys	Val	Ile
				165					170						175
Thr	His	Phe	Phe	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Leu	Leu	Ser	Cys	Ser
			180					185						190	
Ser	Thr	Tyr	Ile	Asn	Ser	Val	Met	Thr	Leu	Val	Ala	Asp	Val	Phe	Leu
		195					200					205			
Gly	Gly	Ile	Asn	Phe	Met	Leu	Thr	Leu	Leu	Ser	Tyr	Gly	Phe	Ile	Ile
	210					215					220				
Ala	Ser	Ile	Leu	Arg	Met	Arg	Ser	Ala	Glu	Gly	Lys	Arg	Lys	Ala	Phe
225					230					235					240
Ser	Thr	Cys	Ser	Ser	His	Leu	Ile	Val	Val	Ser	Val	Tyr	Tyr	Ser	Ser
				245					250						255
Val	Phe	Cys	Ala	Tyr	Ile	Ser	Pro	Ala	Ser	Ser	Tyr	Ser	Pro	Glu	Arg
			260					265						270	
Ser	Lys	Phe	Thr	Ser	Val	Leu	Tyr	Ser	Val	Val	Ser	Pro	Thr	Leu	Asn
		275					280					285			
Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Leu	Ala	Leu	Gly
	290					295					300				
Arg	Met	Leu	Ala	Ser	Phe	Ser	His								
305						310									

<210> 1466

<211> 319

<212> PRT

<213> Mus musculus

<400> 1466

Met	Val	Leu	Ser	Asn	Ile	Thr	His	Phe	Ser	Pro	Met	Phe	Tyr	Leu	Ser
1				5					10					15	
Gly	Phe	Pro	Gly	Leu	Glu	Ala	Ile	Glu	His	Trp	Ile	Phe	Ile	Pro	Phe
			20					25					30		
Phe	Leu	Met	Tyr	Leu	Val	Ala	Ile	Ser	Gly	Asn	Cys	Leu	Ile	Leu	Ile
		35					40					45			
Ile	Ile	Lys	Thr	Ser	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Tyr	Leu	Leu
	50					55					60				
Ser	Leu	Leu	Ala	Leu	Thr	Asp	Leu	Gly	Leu	Ser	Val	Ser	Thr	Leu	Pro
65					70					75					80
Thr	Met	Val	Gly	Ile	Phe	Trp	Phe	Asn	Tyr	His	Gly	Ile	Tyr	Phe	Gly
				85					90					95	
Ala	Cys	Gln	Ile	Gln	Met	Phe	Cys	Ile	His	Ser	Phe	Ser	Phe	Met	Glu
			100					105					110		
Ser	Ala	Val	Leu	Leu	Val	Met	Ser	Phe	Asp	Arg	Phe	Val	Ala	Ile	Cys
		115					120					125			
His	Pro	Leu	Arg	Tyr	Ser	Ser	Ile	Ile	Thr	Val	Gln	Arg	Val	Met	Arg
	130					135					140				
Ala	Gly	Leu	Cys	Val	Ile	Leu	Arg	Gly	Pro	Val	Ala	Leu	Ile	Pro	Ile
145					150					155					160
Val	Leu	Leu	Leu	Lys	Asp	Phe	Pro	Tyr	Cys	Gly	Pro	Leu	Val	Leu	Ser
				165					170					175	
His	Ser	Phe	Cys	Leu	His	Gln	Glu	Val	Ile	His	Leu	Ala	Cys	Val	Asp
			180					185					190		
Thr	Thr	Phe	Asn	Asn	Leu	Tyr	Gly	Leu	Ser	Leu	Val	Val	Phe	Thr	Val
		195					200					205			
Met	Leu	Asp	Leu	Val	Leu	Ile	Ala	Leu	Ser	Tyr	Gly	Phe	Ile	Leu	Tyr

210		215		220
Thr Val Ala Gly Leu Ala Ser Gln Glu Glu Gln Ile Arg Ala Phe Gln				
225		230		235
Thr Cys Thr Ser His Leu Cys Ala Val Leu Val Phe Phe Val Pro Met				240
	245		250	255
Met Gly Leu Ser Leu Val His Arg Phe Gly Lys His Ala Pro Pro Ala				
	260		265	270
Val His Leu Leu Met Ala Asn Ile Tyr Leu Phe Val Pro Pro Met Leu				
	275		280	285
Asn Pro Val Ile Tyr Ser Ile Lys Thr Lys Glu Ile Arg Lys Ala Ile				
	290		295	300
Ile Arg Phe Leu Gly Phe Arg Lys Val Asn Ser Glu Ser Trp Gly				
305		310		315

<210> 1467
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1467

Met Met Glu Arg Glu Asn Tyr Thr Phe Asn Ser Asp Phe Ile Leu Leu				
1	5	10	15	
Gly Leu Phe Ser Ser Ser Lys Ile Ser Leu Thr Phe Phe Ser Val Ile				
	20	25	30	
Phe Phe Ile Phe Ile Met Thr Ile Thr Glu Asn Ala Leu Met Ile Leu				
	35	40	45	
Leu Ile His Arg Asp Ser Arg Leu His Thr Pro Met Tyr Phe Leu Leu				
	50	55	60	
Ser His Leu Ser Phe Met Asp Ile Leu His Ile Ser Asn Ile Val Pro				
65	70	75	80	
Lys Met Ile Ala Asp Phe Leu Ser Gly Ser Arg Thr Ile Ser Phe Ala				
	85	90	95	
Gly Cys Ala Phe Gln Ile Phe Leu Ser Leu Thr Leu Leu Gly Gly Glu				
	100	105	110	
Cys Leu Leu Leu Ala Val Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys				
	115	120	125	
His Pro Leu Arg Tyr Pro Val Leu Met Arg Asp Asn Phe Ser Arg Leu				
	130	135	140	
Leu Ala Ala Gly Ser Trp Leu Val Gly Ile Leu Asn Ser Ile Val His				
145	150	155	160	
Thr Ala Phe Val Leu His Phe Pro Phe Cys His Ser Arg Ala Ile Asp				
	165	170	175	
His Phe Phe Cys Glu Val Pro Ala Met Leu Lys Leu Ser Cys Ile Asp				
	180	185	190	
Thr Thr His Tyr Glu Arg Gly Val Tyr Val Ser Gly Ile Ile Phe Leu				
	195	200	205	
Leu Ile Pro Phe Ser Met Ile Ser Ile Ser Tyr Val Gln Ile Leu Leu				
	210	215	220	
Thr Val Phe Gln Met His Ser Ser Gly Ala Arg Gln Lys Ser Phe Ser				
225	230	235	240	
Thr Cys Leu Phe His Met Val Val Val Ile Met Tyr Tyr Gly Pro Phe				
	245	250	255	
Ile Phe Thr Tyr Met Arg Pro Arg Ser Tyr His Thr Pro Gly Gln Asp				
	260	265	270	
Lys Phe Leu Ala Ile Phe Tyr Thr Ile Leu Thr Pro Thr Leu Asn Pro				
	275	280	285	

Ile Ile Tyr Ser Phe Arg Asn Lys Asp Val Leu Met Ala Leu Lys Asn
 290 295 300
 Ile Val Gln Ser Asn Ile Leu Asn Lys Glu
 305 310

<210> 1468
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1468
 Met Met Glu Tyr Glu Asn Tyr Thr Phe Asn Asp Phe Ile Leu Leu Gly
 1 5 10 15
 Leu Phe Ser Ser Ser Lys Thr Ser Leu Thr Phe Phe Ser Val Ile Phe
 20 25 30
 Phe Ile Phe Ile Met Ala Ile Thr Glu Asn Ala Leu Met Ile Leu Leu
 35 40 45
 Ile His Arg Asp Ser Arg Leu His Thr Pro Met Tyr Phe Leu Leu Ser
 50 55 60
 His Leu Ser Phe Met Asp Ile Leu His Ile Ser Asn Ile Val Pro Lys
 65 70 75 80
 Met Ile Ala Asp Phe Leu Ser Gly Ser Arg Thr Ile Ser Phe Ala Gly
 85 90 95
 Cys Ala Phe Gln Ile Phe Leu Ser Leu Thr Leu Leu Gly Gly Glu Cys
 100 105 110
 Leu Leu Leu Ala Ala Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys His
 115 120 125
 Pro Leu Cys Tyr Pro Val Leu Met Arg Asp Asn Phe Ser Arg Leu Leu
 130 135 140
 Ala Ala Gly Ser Trp Leu Val Gly Ile Leu Asn Ser Ile Val His Thr
 145 150 155 160
 Ala Phe Val Leu His Phe Pro Phe Cys His Ser Arg Ala Ile Asp His
 165 170 175
 Phe Phe Cys Glu Val Pro Ala Met Leu Lys Leu Ser Cys Ile Asp Thr
 180 185 190
 Thr His Tyr Glu Gln Gly Val Tyr Val Ser Gly Ile Ile Phe Leu Met
 195 200 205
 Val Pro Phe Ser Met Ile Ser Ile Ser Tyr Val Gln Ile Leu Leu Thr
 210 215 220
 Val Phe Gln Met His Ser Ser Gly Ala Arg Gln Lys Ser Phe Ser Thr
 225 230 235 240
 Cys Leu Phe His Met Val Val Val Ile Met Tyr Tyr Gly Pro Val Ile
 245 250 255
 Phe Thr Tyr Met Arg Pro Arg Ser Tyr His Thr Pro Gly Gln Asp Lys
 260 265 270
 Phe Leu Ala Ile Phe Tyr Thr Ile Leu Thr Pro Lys Leu Asn Pro Ile
 275 280 285
 Ile Tyr Ser Phe Arg Asn Lys Asp Val Leu Arg Ala Leu Lys Asn Ile
 290 295 300
 Val Gln Ser Asn Ile Leu Asn Lys Lys
 305 310

<210> 1469
 <211> 309
 <212> PRT

<213> Mus musculus

<400> 1469

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Met Glu Ile Asn Asn Tyr Thr Thr Val Val Glu Phe Val Leu Gln Gly
 1           5           10           15
Leu Ser Glu Asp Pro Gly Leu Gln Ala Leu Phe Leu Ala Phe Phe Leu
      20           25           30
Leu Leu Tyr Ile Leu Ala Leu Ala Gly Asn Thr Leu Ile Ile Ala
      35           40           45
Ile Ser Leu Asn Ser Ser Leu His Thr Pro Met Tyr Phe Phe Leu Ala
      50           55           60
Asn Leu Ala Leu Leu Asp Ile Val Cys Thr Ser Thr Val Leu Pro Lys
      65           70           75           80
Leu Leu Glu Gly Leu Val Gly Lys Ser Ser His Ile Ser Tyr Lys Gly
      85           90           95
Cys Met Thr Gln Leu Phe Phe Leu Thr Trp Phe Leu Gly Ala Glu Leu
      100           105           110
Leu Leu Leu Thr Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Arg
      115           120           125
Pro Leu His Tyr Ser Met Leu Met Ser Trp Pro Ile Cys Val Leu Leu
      130           135           140
Ala Gly Ser Val Trp Val Ile Ser Ala Ala Ser Thr Ser Val His Thr
      145           150           155           160
Gly Leu Met Ala Arg Leu Asn Phe Cys Gly Pro Asn Gln Ile Arg His
      165           170           175
Phe Leu Cys Glu Val Pro Thr Leu Leu Leu Ser Cys Ser Pro Thr
      180           185           190
Thr Leu Asn Asn Ile Met Ile Val Ile Ala Asp Val Tyr Phe Gly Val
      195           200           205
Val Asn Phe Leu Leu Thr Met Ile Ser Tyr Ser Phe Ile Ile Thr Ser
      210           215           220
Ile Leu Arg Ile Arg Ser Thr Glu Gly Lys Lys Arg Ala Phe Ser Thr
      225           230           235           240
Cys Ser Ala His Leu Val Val Val Val Leu Tyr Tyr Ser Thr Val Ile
      245           250           255
Tyr Thr Tyr Leu Gln Pro Gly Ser Gly Ser Ser Leu Glu Asn Gly Lys
      260           265           270
Val Val Ala Leu Leu Tyr Thr Ala Val Ser Pro Thr Leu Asn Pro Ala
      275           280           285
Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Val Ala Leu Lys Lys Leu
      290           295           300
Phe Pro Cys Phe Gln
      305
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<210> 1470

<211> 311

<212> PRT

<213> Mus musculus

<400> 1470

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Met Met Ser Arg Leu Asn Gln Thr Val Val Thr Glu Phe Ile Leu Gln
 1           5           10           15
Gly Phe Ser Glu His Pro Ser Leu Arg Leu Phe Leu Thr Gly Cys Phe
      20           25           30
Leu Ser Leu Tyr Val Met Ala Leu Met Gly Asn Ile Leu Ile Ile Ala
      35           40           45
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Leu	Val	Thr	Phe	Ser	Thr	Gly	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu
50						55					60				
Cys	Asn	Leu	Ala	Thr	Met	Asp	Ile	Ile	Cys	Thr	Ser	Ser	Val	Leu	Pro
65					70					75					80
Lys	Ala	Leu	Val	Gly	Leu	Leu	Ser	Glu	Glu	Asn	Thr	Ile	Ser	Phe	Lys
				85					90					95	
Gly	Cys	Met	Ala	Gln	Leu	Phe	Phe	Leu	Val	Trp	Ser	Leu	Ser	Ser	Glu
			100					105					110		
Leu	Leu	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
Phe	Pro	Leu	His	Tyr	Ser	Ser	Arg	Met	Ser	Pro	Gln	Leu	Cys	Gly	Ala
	130					135					140				
Leu	Ala	Met	Gly	Val	Trp	Ser	Ile	Cys	Ala	Leu	Asn	Ala	Ser	Ile	Asn
145					150					155					160
Thr	Gly	Leu	Met	Thr	Arg	Leu	Ser	Phe	Cys	Gly	Pro	Lys	Val	Ile	Thr
				165					170					175	
His	Phe	Phe	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Leu	Leu	Ser	Cys	Ser	Pro
			180					185					190		
Thr	Tyr	Val	Asn	Ser	Ile	Met	Thr	Leu	Ile	Ala	Asp	Val	Phe	Tyr	Gly
		195					200					205			
Gly	Ile	Asn	Phe	Val	Leu	Thr	Leu	Leu	Ser	Tyr	Gly	Cys	Ile	Ile	Ala
	210					215					220				
Ser	Ile	Leu	Arg	Met	Arg	Ser	Ala	Glu	Gly	Lys	Arg	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ser	Ser	His	Leu	Ile	Val	Val	Ser	Val	Tyr	Tyr	Ser	Ser	Val
				245					250					255	
Phe	Cys	Ala	Tyr	Val	Ser	Pro	Ala	Ser	Ser	Tyr	Ser	Pro	Glu	Arg	Ser
		260					265						270		
Lys	Val	Thr	Ser	Val	Leu	Tyr	Ser	Phe	Leu	Ser	Pro	Thr	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Leu	Ala	Ile	Gly	Arg
	290					295					300				
Leu	Leu	Pro	Ser	Phe	Ser	His									
305					310										

<210> 1471
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1471

Met	Thr	Met	Leu	Ser	Pro	Asn	Gln	Thr	Val	Val	Thr	Glu	Phe	Val	Leu
1				5					10					15	
Glu	Gly	Phe	Ser	Glu	His	Pro	Ser	Leu	Arg	Leu	Phe	Leu	Met	Gly	Cys
			20					25					30		
Phe	Leu	Ser	Leu	Tyr	Thr	Val	Ala	Leu	Met	Gly	Asn	Ile	Leu	Ile	Ile
		35					40					45			
Ala	Leu	Val	Thr	Ser	Ser	Thr	Gly	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe
	50					55					60				
Leu	Cys	Asn	Leu	Ala	Thr	Met	Asp	Ile	Val	Cys	Thr	Ser	Ser	Val	Ile
65					70					75					80
Pro	Lys	Ala	Leu	Ile	Gly	Leu	Val	Phe	Glu	Glu	Asn	Thr	Ile	Ser	Phe
				85					90					95	
Lys	Gly	Cys	Met	Ala	Gln	Leu	Phe	Phe	Leu	Val	Trp	Ser	Ala	Ser	Ser
			100				105					110			
Glu	Leu	Leu	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile

Ala	Met	Ala	Phe	Ala	Ala	Asp	Val	Phe	Leu	Ala	Val	Gly	Asn	Phe	Ser
		195					200					205			
Val	Ile	Ile	Leu	Ser	Tyr	Gly	Phe	Ile	Val	Ala	Ser	Ile	Leu	Lys	Ile
		210				215					220				
Arg	Ser	Ala	Glu	Gly	Lys	Gln	Arg	Ala	Phe	Ser	Thr	Cys	Ser	Ala	His
225					230					235					240
Leu	Ile	Val	Val	Thr	Met	Tyr	Tyr	Ser	Thr	Val	Ile	Tyr	Thr	Tyr	Ile
				245					250					255	
Arg	Pro	Ser	Ser	Ser	Tyr	Ser	Leu	Asn	Lys	Asp	Lys	Val	Val	Ser	Ile
			260					265					270		
Ile	Tyr	Thr	Ser	Val	Ala	Pro	Thr	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu
		275					280					285			
Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Leu	Arg	Arg	Leu	Phe	Ser	Cys	Cys
		290				295					300				

<210> 1473
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1473

Met	Ser	Asn	Cys	Ser	Asn	Asn	Ala	Leu	Val	Thr	Glu	Phe	Ile	Leu	Leu
1				5					10					15	
Gly	Phe	Pro	Glu	Leu	Cys	His	Leu	Gln	Gly	Leu	Leu	Phe	Gly	Phe	Phe
			20					25					30		
Leu	Ile	Ile	Tyr	Val	Val	Thr	Val	Leu	Glu	Asn	Leu	Val	Ile	Val	Gly
		35					40					45			
Thr	Ile	Ser	Ala	Ser	Arg	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ala	Asn	Leu	Ser	Val	Leu	Glu	Thr	Leu	Tyr	Thr	Thr	Val	Thr	Val	Pro
65					70					75					80
Lys	Leu	Leu	Ala	Asp	Leu	Leu	Ala	Gly	Ala	Lys	Thr	Ile	Ser	Phe	Ser
				85					90					95	
Gly	Cys	Leu	Thr	Gln	Leu	Phe	Leu	Phe	Leu	Ser	Leu	Gly	Ser	Ser	Glu
			100					105					110		
Cys	Phe	Leu	Leu	Ser	Thr	Met	Ala	Cys	Asp	Arg	Tyr	Leu	Ala	Ile	Cys
		115					120					125			
Arg	Pro	Leu	His	Tyr	Pro	Ala	Ile	Met	Asp	Ser	Lys	Leu	Cys	Leu	His
	130					135					140				
Leu	Ala	Leu	Ser	Ala	Trp	Leu	Gly	Gly	Phe	Leu	Ala	Ser	Phe	Val	Ser
145					150					155					160
Thr	Ala	Leu	Ile	Ser	Arg	Leu	Arg	Phe	Cys	Gly	Pro	Asn	Ala	Leu	Asn
				165					170					175	
His	Phe	Phe	Cys	Asp	Ile	Ser	Pro	Leu	Gln	Leu	Ser	Cys	Thr	Asp	
			180					185				190			
Thr	Thr	Ala	Ile	Glu	Met	Leu	Asp	Phe	Val	Ala	Ala	Leu	Ala	Val	Leu
		195					200					205			
Ala	Thr	Ser	Leu	Ile	Val	Thr	Ser	Val	Ser	Tyr	Val	His	Ile	Ile	Ala
	210					215					220				
Thr	Val	Leu	Arg	Ile	Pro	Gly	Gly	Ala	Gly	Arg	Arg	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Val	Val	Val	Leu	Ile	Phe	Tyr	Thr	Thr	Thr
				245					250					255	
Thr	Phe	Met	Tyr	Ala	Arg	Pro	His	Ala	Ile	Ser	Ser	Phe	Asp	Leu	Asn
		260					265					270			
Lys	Leu	Val	Ser	Val	Ile	Tyr	Ser	Val	Val	Thr	Pro	Leu	Leu	Asn	Pro

	275		280		285
Ile	Ile Tyr Cys Leu Arg	Asn Arg Asp	Ile Arg Glu	Ala Phe Thr Lys	
	290	295	300		
Phe	Leu Gln Pro Leu Arg	Phe Pro			
305		310			

<210> 1474
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1474

Met	Arg	Arg	Asp	Asn	Glu	Ser	Thr	Val	Ser	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10				15		
Leu	Pro	Ile	Arg	Ala	Glu	Asp	Gln	Gly	Leu	Tyr	Ser	Ala	Leu	Phe	Leu
			20				25					30			
Ala	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Leu
		35				40						45			
Ile	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50				55					60					
His	Leu	Ala	Phe	Thr	Asp	Ile	Ser	Phe	Ser	Ser	Val	Ala	Ser	Pro	Lys
65					70				75						80
Met	Val	Ile	Asn	Met	Leu	Thr	His	Ser	Gln	Ser	Ile	Ser	Tyr	Ala	Gly
			85						90					95	
Cys	Val	Ser	Gln	Val	Tyr	Phe	Phe	Ser	Phe	Phe	Ala	Asp	Leu	Glu	Ser
			100					105					110		
Phe	Leu	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
	115					120						125			
Pro	Leu	His	Tyr	Ser	Gln	Ile	Met	Ser	Glu	Asn	Leu	Cys	Val	Leu	Leu
	130					135					140				
Ile	Val	Val	Ser	Trp	Thr	Leu	Ser	Thr	Ala	Asn	Ser	Leu	Val	His	Thr
145					150					155					160
Leu	Leu	Leu	Val	Gln	Leu	Ser	Tyr	Phe	Arg	Asn	Asn	Thr	Ile	Pro	His
			165					170						175	
Tyr	Phe	Cys	Asp	Leu	Ser	Thr	Leu	Leu	Lys	Leu	Ser	Ser	Ser	Asp	Thr
			180				185					190			
Thr	Ile	Asn	Glu	Leu	Val	Ile	Leu	Val	Leu	Gly	Asn	Met	Val	Ile	Thr
	195					200					205				
Leu	Pro	Phe	Ile	Cys	Ile	Leu	Val	Ser	Tyr	Gly	His	Ile	Gly	Val	Thr
	210				215						220				
Ile	Met	Lys	Ile	Pro	Ser	Ile	Lys	Gly	Ile	Cys	Lys	Ala	Leu	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Cys	Val	Val	Ser	Leu	Tyr	Tyr	Gly	Ala	Ile	Ile
			245						250					255	
Gly	Leu	Tyr	Phe	Val	Pro	Ser	Ser	Asn	Asn	Thr	Ser	Asp	Lys	Asp	Ala
			260					265					270		
Ile	Val	Ala	Met	Met	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro	Phe
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Gly	Ala	Leu	Arg	Asn	Ile
	290				295						300				
Leu	Ser	Gly	Arg	Leu	Trp	Ser	Gln								
305					310										

<210> 1475
 <211> 313

<212> PRT
<213> Mus musculus

<400> 1475

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Met Arg Arg Asp Asn Glu Ser Thr Val Ser Glu Phe Ile Leu Leu Gly
 1           5           10           15
Leu Pro Ile Gln Pro Glu Asp Gln Gly Leu Tyr Ser Ala Leu Phe Leu
          20           25           30
Ala Met Tyr Leu Thr Thr Val Leu Gly Asn Leu Leu Ile Ile Leu Leu
          35           40           45
Ile Arg Leu Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Ser
          50           55           60
His Leu Ala Phe Thr Asp Val Ser Phe Ser Ser Val Thr Ala Pro Lys
65           70           75           80
Met Leu Met Asn Met Leu Thr His Ser Gln Ser Ile Ser Tyr Ala Gly
          85           90           95
Cys Val Ser Gln Val Tyr Phe Phe Ser Thr Phe Thr Asp Leu Asp Ser
          100          105          110
Phe Leu Leu Thr Ser Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
          115          120          125
Pro Leu His Tyr Thr Thr Ile Met Ser Gln Asn Leu Cys Val Leu Leu
          130          135          140
Val Val Met Ser Trp Val Leu Ser Ser Ala Asn Ala Leu Val His Thr
145          150          155          160
Leu Leu Leu Ala Arg Leu Ser His Phe Arg Asn Asn Thr Ile Pro His
          165          170          175
Tyr Phe Cys Glu Pro Ser Ala Leu Leu Ser Leu Ser Ser Ser Asp Thr
          180          185          190
Thr Ile Asn Glu Met Val Ile Leu Pro Leu Gly Thr Leu Val Ile Thr
          195          200          205
Leu Pro Phe Ile Cys Ile Leu Val Ser Tyr Gly Arg Ile Gly Val Thr
          210          215          220
Ile Leu Arg Thr Pro Ser Ile Lys Gly Ile Cys Lys Ala Leu Ser Thr
225          230          235          240
Cys Gly Ser His Leu Ser Val Val Cys Leu Tyr Tyr Gly Ala Ile Ile
          245          250          255
Gly Leu Tyr Leu Val Pro Ser Ser Asn Asn Thr Asn Asp Lys Asp Val
          260          265          270
Ile Val Ala Val Ile Tyr Ser Leu Val Thr Pro Met Val Asn Pro Phe
          275          280          285
Ile Tyr Ser Leu Arg Asn Arg Asp Ile Lys Gly Ala Leu Arg Asn Ile
          290          295          300
Leu Asn Arg Arg Leu Cys Pro Gln Trp
305          310
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<210> 1476
<211> 309
<212> PRT
<213> Mus musculus

<400> 1476

```
Met Arg Met Asp Asn Asp Ser Ala Leu Ser Glu Phe Ile Leu Leu Gly
 1           5           10           15
Leu Pro Ile Arg Ala Glu Asp Gln Ala Leu Tyr Ser Val Leu Ile Leu
          20           25           30
Ala Met Tyr Leu Thr Thr Val Leu Gly Asn Leu Leu Ile Ile Leu Leu
```


Phe	Leu	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
	115						120					125			
Pro	Leu	His	Tyr	Thr	Thr	Ile	Met	Ser	Gln	Ser	Leu	Cys	Leu	Phe	Leu
	130					135					140				
Val	Val	Val	Ser	Trp	Ala	Leu	Ser	Ser	Gly	Asn	Ala	Leu	Val	His	Thr
145					150					155					160
Leu	Leu	Leu	Ala	Lys	Leu	Ser	His	Phe	Arg	Asn	Asn	Thr	Val	Pro	His
				165					170					175	
Tyr	Phe	Cys	Asp	Leu	Ser	Ala	Met	Leu	Lys	Leu	Ser	Ser	Ser	Asp	Thr
			180					185					190		
Thr	Ile	Asn	Glu	Leu	Leu	Ile	Leu	Thr	Leu	Gly	Thr	Met	Val	Thr	Ile
	195					200						205			
Pro	Pro	Phe	Ile	Cys	Ile	Leu	Val	Ser	Tyr	Val	Arg	Ile	Gly	Val	Thr
	210					215					220				
Ile	Leu	Arg	Thr	Pro	Ser	Ile	Lys	Gly	Ile	Cys	Lys	Ala	Leu	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Cys	Val	Val	Ser	Leu	Tyr	Tyr	Gly	Ala	Ile	Ile
				245					250					255	
Ala	Leu	Tyr	Phe	Val	Pro	Ser	Ser	Asn	Asn	Thr	Asn	Asp	Lys	Asp	Val
			260					265					270		
Ile	Val	Ala	Leu	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275				280						285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Gly	Ala	Leu	Arg	Asn	Val
	290				295						300				
Leu	Ser	Arg	Arg	Leu	Cys	Ser	Gln								
305					310										

<210> 1478
 <211> 306
 <212> PRT
 <213> Mus musculus

<400> 1478

Met	Asp	Asn	Glu	Ser	Thr	Val	Ser	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Pro
1				5					10					15	
Ile	Arg	Ala	Glu	Asp	Gln	Ala	Val	Tyr	Ser	Ala	Leu	Phe	Leu	Val	Leu
		20						25					30		
Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Leu	Ile	Arg
	35					40						45			
Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His	Leu
	50				55					60					
Ala	Phe	Thr	Asp	Ile	Ser	Phe	Ser	Ser	Val	Thr	Ala	Pro	Lys	Met	Leu
65				70					75					80	
Val	Asn	Met	Leu	Thr	His	Ser	Gln	Ser	Ile	Ser	Tyr	Ala	Gly	Cys	Ile
			85					90					95		
Ser	Gln	Glu	Tyr	Phe	Phe	Thr	Val	Phe	Ala	Gly	Ile	Asp	Ser	Phe	Leu
		100						105				110			
Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His	Pro	Leu
	115					120						125			
His	Tyr	Ile	Thr	Ile	Met	Asn	Gln	Asn	Leu	Cys	Val	Leu	Leu	Val	Val
	130				135						140				
Val	Ser	Trp	Ala	Leu	Ser	Ser	Ala	Asn	Cys	Leu	Val	His	Thr	Leu	Leu
145				150					155						160
Leu	Ala	Cys	Leu	Ser	His	Phe	Arg	Asn	Asn	Thr	Ile	Pro	His	Tyr	Phe
			165					170					175		
Cys	Asp	Leu	Ser	Thr	Leu	Leu	Lys	Leu	Ser	Ser	Ser	Asp	Thr	Thr	Ile

<210> 1481
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1481
 Met Lys Ser Thr Arg Asn Gln Ser Ser Ala Ser Glu Phe Ile Leu Leu
 1 5 10 15
 Gly Leu Pro Ile Gln Pro Glu Glu Gln Gly Met Tyr Tyr Ala Leu Phe
 20 25 30
 Leu Ala Thr Tyr Leu Thr Thr Val Leu Gly Asn Leu Leu Ile Ile Leu
 35 40 45
 Leu Ile Arg Leu Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu
 50 55 60
 Ser His Leu Ala Phe Thr Asp Ile Ser Phe Ser Ser Val Thr Ala Pro
 65 70 75 80
 Lys Met Leu Met Asn Met Leu Ile His Ser Gln Ser Ile Ser Tyr Ala
 85 90 95
 Gly Cys Ile Ser Gln Val Tyr Phe Phe Leu Phe Phe Ala Asp Leu Asp
 100 105 110
 Ser Phe Leu Leu Thr Ser Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys
 115 120 125
 His Pro Leu His Tyr Thr Arg Ile Met Ser Gln Ser Ile Cys Ile Leu
 130 135 140
 Leu Val Ile Glu Ser Trp Phe Leu Ser Phe Ala Gly Ala Leu Val His
 145 150 155 160
 Thr Ile Leu Leu Ala Arg Leu Ser Phe Phe Arg Gly Asn Thr Val His
 165 170 175
 His Phe Phe Cys Asp Leu Ser Ala Leu Ile Lys Leu Ser Ser Ser Asp
 180 185 190
 Thr Ser Ile Asn Glu Leu Val Ile Leu Val Val Gly Ser Leu Val Ile
 195 200 205
 Thr Val Pro Phe Val Cys Ile Leu Val Ser Tyr Gly Arg Ile Gly Ala
 210 215 220
 Thr Ile Leu Lys Thr Pro Ser Ile Lys Gly Ile Cys Lys Ala Leu Ser
 225 230 235 240
 Thr Cys Gly Ser His Leu Ser Val Val Ser Leu Tyr Tyr Gly Ala Ile
 245 250 255
 Ile Gly Leu Tyr Phe Val Pro Ser Ser Asn Asp Thr Asn Asp Lys Asp
 260 265 270
 Val Ile Val Ala Val Met Tyr Thr Met Val Thr Pro Met Leu Asn Pro
 275 280 285
 Phe Ile Tyr Ser Leu Arg Asn Arg Asp Met Lys Gly Ala Leu Arg Asn
 290 295 300
 Met Leu Ala Arg Ala Thr Ser Ser Met
 305 310

<210> 1482
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1482
 Met Thr Glu Gly Asn Glu Ser Ile Val Ser Glu Phe Ile Leu Leu Gly
 1 5 10 15

Leu Pro Ile Gln Pro Glu Asp Gln Asp Leu Tyr Ser Ala Leu Phe Leu
 20 25 30
 Ala Met Tyr Leu Thr Thr Val Leu Gly Asn Leu Leu Ile Ile Leu Leu
 35 40 45
 Ile Arg Leu Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 His Leu Ala Phe Thr Asp Ile Ser Phe Ser Ser Val Thr Ala Pro Lys
 65 70 75 80
 Met Leu Met Asn Met Leu Thr His Ser Gln Ser Ile Ser Tyr Ala Gly
 85 90 95
 Cys Val Phe Gln Val Tyr Phe Phe Leu Phe Phe Ala Asp Leu Asp Asn
 100 105 110
 Phe Leu Leu Thr Ser Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
 115 120 125
 Pro Leu His Tyr Thr Thr Met Met Ser Gln Asn Leu Cys Val Leu Leu
 130 135 140
 Val Val Val Ser Trp Thr Leu Ser Thr Ala Asn Ala Leu Val His Thr
 145 150 155 160
 Leu Leu Leu Ala Arg Leu Thr His Phe Arg Asp Asn Thr Ile Ser His
 165 170 175
 Tyr Phe Cys Asp Leu Ser Thr Leu Leu Lys Leu Ser Ser Ser Asp Thr
 180 185 190
 Thr Thr Asn Lys Leu Val Ile Leu Leu Leu Gly Asn Val Ile Ile Thr
 195 200 205
 Leu Pro Phe Ile Cys Ile Leu Val Ser Tyr Gly Leu Ile Ala Val Thr
 210 215 220
 Ile Leu Lys Ile Pro Ser Met Lys Gly Ile Cys Lys Ala Leu Ser Thr
 225 230 235 240
 Cys Gly Ser His Leu Cys Val Val Ser Leu Tyr Tyr Gly Ala Ile Ile
 245 250 255
 Gly Leu Tyr Phe Val Pro Ser Ser Asn Asn Thr Asn Val Gln Asp Ala
 260 265 270
 Ile Val Ala Val Met Tyr Asn Val Val Thr Pro Met Leu Asn Pro Phe
 275 280 285
 Ile Tyr Ser Leu Arg Asn Gln Asp Met Lys Gly Ala Leu Arg Asn Ile
 290 295 300
 Leu Ser Arg Arg Leu Cys Leu Gln
 305 310

<210> 1483
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1483
 Met Glu Asn Glu Ser Ser Val Ser Glu Phe Phe Leu Gln Gly Ile Ser
 1 5 10 15
 Gly Phe Ser Glu Gln Gln Gln Leu Leu Tyr Gly Leu Phe Leu Cys Met
 20 25 30
 Tyr Leu Val Thr Leu Thr Gly Asn Val Leu Ile Ile Leu Ala Ile Gly
 35 40 45
 Ser Asp Pro His Leu His Thr Pro Met Tyr Phe Phe Leu Ala Asn Leu
 50 55 60
 Ser Phe Ala Asp Met Gly Leu Ile Ser Ser Thr Val Thr Lys Met Leu
 65 70 75 80
 Phe Asn Val Gln Thr Arg Cys His Thr Ile Ser Tyr Thr Gly Cys Leu

				85					90					95			
Thr	Gln	Met	Tyr	Phe	Phe	Leu	Met	Phe	Gly	Asp	Leu	Asp	Ser	Phe	Leu		
			100						105					110			
Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His	Pro	Leu		
			115						120					125			
His	Tyr	Ser	Thr	Ile	Met	Ser	Ala	Arg	Val	Cys	Ala	Leu	Met	Leu	Ala		
			130						135					140			
Leu	Cys	Trp	Val	Leu	Thr	Asn	Ile	Val	Ala	Leu	Thr	His	Thr	Leu	Leu		
145						150					155				160		
Met	Ala	Arg	Leu	Ser	Phe	Cys	Val	Val	Gly	Glu	Ile	Ala	His	Phe	Phe		
						165				170					175		
Cys	Asp	Ile	Thr	Pro	Val	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr	His	Val		
			180						185					190			
Asn	Glu	Leu	Met	Val	Phe	Ala	Leu	Gly	Gly	Thr	Val	Leu	Met	Val	Pro		
			195						200					205			
Phe	Val	Cys	Ile	Val	Ile	Ser	Tyr	Ile	His	Ile	Val	Phe	Ala	Ile	Leu		
			210						215					220			
Lys	Val	Arg	Thr	Pro	Gly	Gly	Gly	Thr	Lys	Ala	Phe	Ser	Thr	Cys	Ser		
225						230					235				240		
Ser	His	Leu	Cys	Val	Val	Cys	Val	Phe	Tyr	Gly	Thr	Leu	Phe	Ser	Ala		
						245				250					255		
Tyr	Leu	Cys	Pro	Pro	Ser	Val	Val	Ser	Thr	Glu	Lys	Asp	Val	Ala	Ala		
			260						265					270			
Ala	Ala	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr		
			275						280					285			
Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Gly	Ala	Leu	Lys	Arg	Leu	Leu	Cys		
			290				295					300					
His	Arg	Lys	Phe	Leu	Ser												
305					310												

<210> 1484
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1484

Met	Glu	Asn	Gln	Ser	Ser	Val	Ser	Glu	Phe	Phe	Leu	Arg	Gly	Ile	Ser		
1				5					10					15			
Gly	Phe	Pro	Glu	Gln	Gln	Gln	Leu	Leu	Tyr	Gly	Leu	Phe	Leu	Cys	Met		
			20					25					30				
Tyr	Leu	Val	Thr	Leu	Thr	Gly	Asn	Val	Leu	Ile	Ile	Leu	Ala	Ile	Ser		
			35				40						45				
Cys	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Asn	Leu		
			50				55				60						
Ser	Phe	Ala	Asp	Met	Gly	Leu	Ile	Ser	Ser	Ala	Val	Thr	Lys	Met	Leu		
65					70					75					80		
Phe	Asn	Val	Gln	Thr	Gln	Arg	His	Thr	Ile	Ser	Tyr	Thr	Gly	Cys	Leu		
					85				90					95			
Thr	Gln	Met	Tyr	Leu	Phe	Met	Met	Phe	Gly	Asp	Leu	Asp	Ser	Phe	Phe		
			100						105					110			
Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His	Pro	Leu		
			115						120					125			
His	Tyr	Ser	Thr	Ile	Met	Ser	Ala	Arg	Val	Cys	Ala	Leu	Met	Leu	Ala		
			130						135					140			
Leu	Cys	Trp	Val	Leu	Thr	Asn	Ile	Val	Ala	Leu	Thr	His	Thr	Leu	Leu		
145						150					155				160		

Met	Thr	Arg	Leu	Ser	Phe	Cys	Val	Val	Gly	Glu	Ile	Ala	His	Phe	Phe	
				165					170					175		
Cys	Asp	Ile	Thr	Ser	Val	Met	Lys	Leu	Ser	Cys	Ser	Asp	Thr	His	Val	
			180					185					190			
Asn	Glu	Leu	Val	Leu	Ser	Gly	Phe	Gly	Gly	Thr	Val	Leu	Met	Val	Pro	
		195				200						205				
Phe	Val	Ser	Ile	Val	Ile	Ser	Tyr	Val	Arg	Ile	Val	Phe	Ala	Val	Leu	
	210					215					220					
Arg	Val	Gln	Thr	Ser	Gly	Gly	Ser	Ser	Lys	Ala	Phe	Ser	Thr	Cys	Ser	
225					230					235					240	
Ser	His	Leu	Cys	Val	Val	Cys	Val	Phe	Tyr	Gly	Thr	Leu	Phe	Ser	Val	
			245					250					255			
Tyr	Leu	Phe	Pro	Ser	Ser	Gly	Glu	Thr	Thr	Glu	Lys	Asp	Val	Val	Ala	
		260						265					270			
Ala	Ala	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr	
	275						280					285				
Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Gly	Ala	Leu	Lys	Arg	Leu	Leu	Cys	
	290					295					300					
His	Arg	Arg	Lys	Phe	Ser	Pro										
305					310											

<210> 1485
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1485

Met	Ser	Cys	Ile	Ile	Arg	Asn	Asn	His	Ser	Ile	Thr	Ser	Glu	Phe	Ile	
1				5					10					15		
Leu	Leu	Gly	Leu	Pro	Ile	Asn	Pro	Glu	Leu	Asn	Gly	Met	Tyr	Ser	Ala	
			20					25					30			
Leu	Phe	Leu	Ala	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	
		35					40					45				
Ile	Leu	Leu	Ile	Arg	Leu	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Phe	
	50				55						60					
Phe	Leu	Ser	His	Leu	Ala	Phe	Thr	Asp	Ile	Ser	Phe	Ser	Ser	Val	Thr	
65					70				75					80		
Ala	Pro	Lys	Met	Leu	Val	Asn	Met	Leu	Thr	His	Ser	Gln	Ser	Ile	Ser	
			85					90					95			
Tyr	Thr	Gly	Cys	Ile	Ser	Gln	Val	Tyr	Phe	Phe	Leu	Phe	Phe	Ala	Asp	
		100						105					110			
Leu	Asp	Ser	Phe	Leu	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	
	115					120						125				
Ile	Cys	His	Pro	Leu	His	Tyr	Thr	Thr	Ile	Met	Ser	Gln	Ser	Leu	Cys	
	130					135					140					
Val	Leu	Leu	Leu	Ile	Val	Ser	Trp	Val	Leu	Ser	Phe	Ala	Ser	Ala	Ile	
145					150					155					160	
Leu	His	Thr	Leu	Leu	Leu	Ala	His	Leu	Ser	Phe	Ser	Gly	Gly	Asn	Thr	
			165					170						175		
Leu	Pro	His	Phe	Phe	Cys	Asp	Leu	Ser	Ala	Leu	Leu	Lys	Leu	Ser	Ser	
		180						185					190			
Ser	Asp	Thr	Thr	Ile	Asn	Glu	Leu	Val	Ile	Phe	Thr	Val	Gly	Val	Val	
	195					200						205				
Ile	Ile	Thr	Val	Pro	Leu	Ile	Cys	Ile	Leu	Val	Ser	Tyr	Gly	Tyr	Ile	
	210					215					220					
Gly	Ala	Thr	Ile	Leu	Arg	Thr	Pro	Ser	Ile	Lys	Gly	Ile	Tyr	Lys	Ala	

225		230		235		240									
Leu	Ser	Thr	Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Tyr	Tyr	Gly
				245					250					255	
Ala	Ile	Ile	Gly	Leu	Tyr	Ser	Phe	Pro	Ser	Pro	Asn	Asn	Ser	Asn	Asn
			260					265					270		
Lys	Asp	Val	Ile	Val	Ala	Val	Met	Tyr	Thr	Met	Val	Thr	Pro	Met	Leu
		275					280					285			
Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Ile	Lys	Gly	Ala	Leu
	290					295					300				
Arg	Asn	Ile	Leu	Gly	Arg	Lys	Ala	Ser	Ser	Gln					
305					310					315					

<210> 1486
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1486

Met	Gly	Lys	Ile	Ser	Arg	Val	Asn	Gln	Ser	Val	Ala	Ser	Asp	Phe	Leu
1				5				10						15	
Leu	Leu	Gly	Leu	Ser	Glu	Gln	Pro	Gly	Glu	Gln	Pro	Leu	Leu	Phe	Gly
		20						25					30		
Ile	Phe	Leu	Gly	Met	Tyr	Leu	Val	Thr	Met	Val	Gly	Asn	Leu	Leu	Ile
	35					40						45			
Ile	Phe	Val	Ile	Ser	Ser	Asp	Ala	His	Leu	His	Thr	Pro	Met	Tyr	Phe
	50				55						60				
Phe	Leu	Ala	Asn	Leu	Ser	Leu	Thr	Asp	Ala	Cys	Phe	Thr	Ser	Ala	Ser
65				70						75					80
Val	Pro	Lys	Met	Leu	Ala	Asn	Ile	Tyr	Thr	Gln	Ser	Gln	Thr	Ile	Ser
			85						90					95	
Tyr	Ser	Gly	Cys	Leu	Thr	Gln	Leu	Tyr	Phe	Leu	Leu	Met	Phe	Gly	Gly
		100						105					110		
Leu	Asp	Asn	Cys	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala
	115					120						125			
Ile	Cys	Gln	Pro	Leu	His	Tyr	Ser	Thr	Ala	Met	Ser	Pro	Gln	Leu	Cys
	130					135					140				
Ala	Leu	Met	Leu	Cys	Thr	Cys	Trp	Val	Leu	Thr	Asn	Cys	Pro	Ala	Leu
145				150						155					160
Met	His	Thr	Leu	Leu	Leu	Thr	Arg	Val	Ala	Phe	Cys	Ala	His	Thr	Ala
			165						170					175	
Ile	Pro	His	Phe	Tyr	Cys	Asp	Pro	Ser	Ala	Leu	Leu	Lys	Leu	Ala	Cys
	180							185					190		
Ser	Asp	Thr	His	Ile	Asn	Glu	Leu	Met	Ile	Ile	Thr	Met	Gly	Leu	Val
	195					200						205			
Phe	Leu	Ala	Val	Pro	Leu	Met	Leu	Ile	Val	Phe	Ser	Tyr	Val	Cys	Ile
	210					215					220				
Ser	Trp	Ala	Val	Leu	Gly	Ile	Pro	Ser	Ser	Gly	Gly	Arg	Trp	Lys	Ala
225				230						235					240
Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Thr	Val	Val	Leu	Leu	Phe	Tyr	Gly
			245						250					255	
Ser	Leu	Met	Gly	Val	Tyr	Leu	Leu	Pro	Pro	Ser	Thr	His	Ser	Thr	Glu
		260						265					270		
Arg	Glu	Ser	Arg	Ala	Ala	Val	Leu	Tyr	Met	Ile	Val	Ile	Pro	Met	Leu
	275					280						285			
Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Glu	Ala	Met
	290					295					300				

Gly Lys Leu Phe Gly Gly Gly Lys Thr Val Phe Leu Leu
 305 310 315

<210> 1487
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1487
 Met Arg Met Asp Asn Glu Ser Thr Val Ser Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Leu Pro Ile Arg Ala Lys Asp Gln Ala Val Tyr Ser Ala Leu Ile Leu
 20 25 30
 Ala Met Tyr Leu Thr Thr Val Leu Gly Asn Leu Leu Ile Ile Leu Leu
 35 40 45
 Ile Arg Leu Asp Pro His Leu His Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 His Leu Ala Leu Thr Asp Ile Ser Phe Ser Ser Val Thr Val Pro Arg
 65 70 75 80
 Met Leu Val Asn Met Leu Thr Gln Ser Gln Ser Ile Ser Tyr Thr Gly
 85 90 95
 Cys Ile Ser Gln Val Tyr Phe Phe Ile Val Phe Gly Ser Ile Asp Ser
 100 105 110
 Phe Leu Leu Pro Ser Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
 115 120 125
 Pro Leu His Tyr Thr Leu Ile Met Asn Leu Asn Leu Cys Val Leu Leu
 130 135 140
 Val Val Val Ser Trp Ala Leu Ser Leu Val Asn Ala Leu Val His Thr
 145 150 155 160
 Leu Leu Leu Ala Arg Leu Ser His Phe Arg Asn Asn Ile Ile Pro His
 165 170 175
 Tyr Phe Cys Asp Leu Ser Ala Leu Leu Lys Leu Ser Ser Ser Asp Thr
 180 185 190
 Ser Ile Asn Glu Leu Val Ile Leu Val Leu Gly Asn Val Val Ile Thr
 195 200 205
 Leu Pro Phe Ile Cys Ile Leu Val Ser Tyr Gly Tyr Ile Gly Val Thr
 210 215 220
 Ile Leu Lys Thr Pro Ser Thr Lys Gly Ile Arg Lys Ala Leu Ser Thr
 225 230 235 240
 Cys Gly Ser His Leu Cys Val Val Ser Leu Tyr Tyr Gly Ser Val Ile
 245 250 255
 Gly Leu Tyr Cys Val Pro Ser Ser Asn Asn Thr Asn Asp Lys Asp Ala
 260 265 270
 Ile Val Ala Met Met Tyr Thr Val Val Thr Pro Met Leu Asn Pro Phe
 275 280 285
 Ile Tyr Ser Leu Arg Asn Arg Asp Met Lys Arg Ala Leu Arg Asn Ile
 290 295 300
 Leu Ser Arg Lys Lys
 305

<210> 1488
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1488

Met	Pro	Gly	Gln	Asn	Tyr	Ser	Thr	Ile	Ser	Glu	Phe	Ile	Leu	Phe	Gly
1				5					10					15	
Phe	Ser	Ala	Phe	Pro	His	Gln	Met	Leu	Pro	Ala	Leu	Phe	Leu	Leu	Tyr
			20					25					30		
Leu	Leu	Met	Tyr	Leu	Phe	Thr	Leu	Leu	Gly	Asn	Leu	Val	Ile	Met	Ala
		35					40					45			
Ala	Ile	Trp	Thr	Glu	His	Arg	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu
	50					55					60				
Cys	Ala	Leu	Ser	Ile	Ser	Glu	Ile	Leu	Phe	Thr	Val	Val	Ile	Thr	Pro
65					70					75					80
Arg	Met	Leu	Ser	Asp	Met	Leu	Ser	Thr	His	Arg	Ser	Ile	Thr	Phe	Ile
				85					90					95	
Ala	Cys	Ala	Asn	Gln	Leu	Phe	Phe	Ser	Phe	Thr	Phe	Gly	Tyr	Thr	His
			100					105					110		
Ser	Phe	Leu	Leu	Val	Val	Met	Gly	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
Arg	Pro	Leu	His	Tyr	His	Ala	Leu	Met	Ser	Leu	Gln	Gly	Cys	Ala	Arg
	130					135					140				
Leu	Val	Ala	Trp	Ser	Trp	Ala	Gly	Gly	Ser	Leu	Ile	Gly	Met	Ala	Leu
145					150					155					160
Thr	Ile	Ile	Ile	Phe	His	Leu	Thr	Phe	Cys	Glu	Ser	Asn	Val	Ile	His
				165					170					175	
His	Ile	Leu	Cys	His	Val	Phe	Ser	Leu	Leu	Lys	Leu	Ala	Cys	Gly	Glu
		180						185					190		
Arg	Thr	Ala	Phe	Val	Thr	Ile	Ala	Val	Ile	Leu	Val	Cys	Val	Thr	Pro
	195						200					205			
Leu	Ile	Gly	Cys	Leu	Val	Phe	Ile	Ile	Leu	Ser	Tyr	Ile	Phe	Ile	Val
	210					215					220				
Ala	Ala	Ile	Leu	Arg	Ile	Pro	Ser	Thr	Glu	Gly	Arg	His	Lys	Thr	Phe
225					230					235					240
Ser	Thr	Cys	Ala	Ser	His	Leu	Thr	Val	Val	Ile	Val	His	Tyr	Gly	Phe
			245						250					255	
Ala	Ser	Ile	Ile	Tyr	Leu	Lys	Ser	Arg	Gly	Leu	Tyr	Ser	Gln	Tyr	Thr
		260						265					270		
Asp	Thr	Leu	Met	Ser	Thr	Thr	Tyr	Thr	Val	Phe	Thr	Pro	Phe	Leu	Ser
	275						280					285			
Pro	Ile	Ile	Phe	Ser	Leu	Arg	Asn	Lys	Glu	Leu	Lys	Asn	Ala	Ile	Ile
	290					295					300				
Lys	Ser	Phe	His	Arg	Asn	Val	Cys	Gln	Gln	Ser	Ile				
305					310					315					

<210> 1489

<211> 315

<212> PRT

<213> Mus musculus

<400> 1489

Met	Glu	Glu	Gly	Asn	Gln	Thr	Gly	Met	Val	Leu	Phe	His	Phe	Arg	Pro
1				5				10						15	
Phe	Ser	Lys	Leu	Pro	Glu	Val	Gln	Met	Leu	Ile	Phe	Val	Leu	Phe	Leu
			20					25					30		
Met	Met	Tyr	Leu	Val	Ser	Ile	Gly	Gly	Asn	Met	Ser	Ile	Val	Leu	Thr
		35					40					45			
Ile	Trp	Thr	Asn	Arg	Cys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala
	50					55					60				

Asn	Leu	Ala	Ser	Leu	Glu	Ile	Phe	Tyr	Ser	Ser	Thr	Ile	Ala	Pro	Leu
65					70					75					80
Thr	Leu	Ala	Ser	Ile	Leu	Ser	Thr	Glu	Arg	Thr	Val	Val	Ser	Leu	Ala
				85					90					95	
Gly	Cys	Gly	Ala	Gln	Met	Phe	Phe	Phe	Ile	Phe	Leu	Gly	Ser	Ala	Asp
			100					105					110		
Cys	Ile	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys
		115					120					125			
His	Pro	Leu	Arg	Tyr	Thr	Leu	Ile	Met	Ser	Trp	His	Leu	Cys	Val	Gln
	130					135					140				
Leu	Ala	Leu	Gly	Ser	Leu	Leu	Leu	Gly	Phe	Ile	Leu	Ala	Met	Gln	Leu
145					150					155					160
Thr	Val	Leu	Ile	Phe	Arg	Leu	Pro	Phe	Cys	Ser	Ser	Lys	Glu	Ile	Ser
				165					170					175	
Leu	Phe	Tyr	Cys	Asp	Val	Leu	Pro	Val	Met	Arg	Leu	Ala	Cys	Ala	Asp
			180					185					190		
Thr	His	Val	His	Glu	Ala	Thr	Leu	Phe	Val	Val	Ser	Val	Ile	Val	Leu
	195						200					205			
Thr	Ile	Pro	Phe	Leu	Leu	Ile	Thr	Leu	Ser	Tyr	Val	Phe	Ile	Val	Asp
	210					215					220				
Ala	Ile	Leu	Lys	Ile	Arg	Ser	Ala	Glu	Gly	Arg	His	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ser	Ser	His	Leu	Thr	Val	Val	Leu	Leu	Gln	Tyr	Gly	Cys	Gly
				245					250					255	
Ser	Leu	Ile	Tyr	Leu	Cys	Pro	Ser	Ser	Ser	Tyr	Ser	Pro	Glu	Arg	Gly
		260						265					270		
Gln	Val	Val	Ser	Val	Val	Tyr	Thr	Phe	Ile	Thr	Pro	Val	Leu	Asn	Pro
	275						280					285			
Leu	Ile	Tyr	Ser	Met	Arg	Asn	Arg	Glu	Leu	Lys	Asp	Ala	Leu	Arg	Lys
	290					295					300				
Val	Val	Ile	Ser	Phe	Leu	Leu	Leu	Glu	Lys	Gln					
305					310					315					

<210> 1490
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1490

Met	Asp	Ser	Tyr	Asn	Gln	Thr	Phe	Thr	Gly	Phe	Ile	Leu	Leu	Gly	Leu
1				5					10					15	
Phe	Pro	Pro	Ser	Lys	Ile	Gly	Leu	Phe	Leu	Phe	Ile	Leu	Ile	Val	Leu
			20					25					30		
Ile	Phe	Leu	Thr	Ala	Trp	Ile	Gly	Asn	Leu	Ser	Met	Ile	Leu	Leu	Ile
		35					40					45			
Leu	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Ser	Gln
	50					55					60				
Leu	Ser	Leu	Ile	Asp	Leu	Asn	Tyr	Ile	Ser	Thr	Ile	Val	Pro	Lys	Met
65					70					75					80
Val	Ser	Asp	Phe	Met	Leu	Gly	Asn	Lys	Tyr	Ile	Ser	Phe	Ile	Gly	Cys
				85					90					95	
Gly	Phe	Gln	Ile	Phe	Leu	Phe	Leu	Thr	Phe	Gly	Gly	Ala	Glu	Thr	Leu
			100					105					110		
Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe	Pro
		115					120					125			
Leu	His	Tyr	Ala	Thr	His	Met	Asn	Lys	Arg	Val	Cys	Val	Met	Met	Ile

130		135		140
Thr Gly Ala Trp Ile	Leu Gly Ser Ile Asn Ser Cys Ala His Thr Gly			
145	150	155	160	
Tyr Ala Leu Gln Ile	Pro Tyr Cys Arg Ser Arg Ala Ile Asn His Phe			
	165	170	175	
Phe Cys Asp Val	Pro Ala Met Leu Thr Leu Ala Cys Thr Asp Thr Trp			
	180	185	190	
Val Tyr Glu Tyr Thr	Val Phe Val Ser Thr Ile Leu Phe Leu Val Phe			
	195	200	205	
Pro Phe Ile Gly Ile	Val Cys Ser Tyr Gly Arg Val Phe Leu Ala Ile			
	210	215	220	
Tyr Arg Met His Ser	Arg Ala Gly Lys Lys Lys Ala Tyr Ser Thr Cys			
225	230	235	240	
Ser Thr His Leu Thr	Val Val Thr Phe Tyr Tyr Ala Pro Phe Ala Tyr			
	245	250	255	
Thr Tyr Leu Arg Pro	Arg Ser Leu Arg Ser Pro Glu Glu Asp Lys Ile			
	260	265	270	
Leu Ala Val Phe Tyr	Thr Val Leu Thr Pro Met Leu Asn Pro Ile Ile			
	275	280	285	
Tyr Ser Leu Arg Asn	Lys Glu Val Ile Gly Ala Leu Arg Arg Met Thr			
	290	295	300	
His Arg Ile Cys Phe	Ala Lys Ile			
305	310			

<210> 1491
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1491

Met Asn Trp Ile Leu His Ser Thr Met Val Ser Pro Asn Gln Thr Val	
1 5 10 15	
Val Thr Glu Phe Val Leu Gln Gly Phe Ser Glu His Pro Ser Leu Arg	
20 25 30	
Leu Phe Leu Met Gly Cys Phe Leu Ser Leu Tyr Thr Val Ala Leu Met	
35 40 45	
Gly Asn Met Val Ile Ile Ala Leu Ile Thr Ser Ser Thr Gly Leu His	
50 55 60	
Ser Pro Met Tyr Phe Phe Leu Cys Asn Leu Ala Thr Met Asp Ile Ile	
65 70 75 80	
Cys Thr Ser Ser Val Leu Pro Lys Ala Leu Val Gly Leu Leu Ser Glu	
85 90 95	
Glu Asn Thr Ile Ser Phe Lys Gly Cys Met Thr Gln Leu Phe Phe Leu	
100 105 110	
Val Trp Ser Gly Ser Ser Glu Leu Leu Leu Thr Val Met Ala Tyr	
115 120 125	
Asp Arg Tyr Val Ala Ile Cys Leu Pro Leu His Tyr Ser Ser Arg Met	
130 135 140	
Ser Pro Gln Leu Cys Gly Thr Phe Ala Val Gly Val Trp Ser Ile Cys	
145 150 155 160	
Ala Leu Asn Ala Ser Ile Asn Thr Gly Leu Met Thr Arg Leu Ser Phe	
165 170 175	
Cys Gly Pro Lys Val Ile Thr His Phe Phe Cys Glu Ile Pro Pro Leu	
180 185 190	
Leu Leu Leu Ser Cys Ser Pro Thr Tyr Ile Asn Ser Val Met Thr Leu	
195 200 205	

Val	Ala	Asp	Ala	Phe	Tyr	Gly	Gly	Ile	Asn	Phe	Leu	Leu	Thr	Leu	Leu
210						215					220				
Ser	Tyr	Gly	Cys	Ile	Ile	Ala	Ser	Ile	Leu	Arg	Met	Arg	Ser	Ala	Glu
225				230						235					240
Gly	Lys	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Ile	Val	Val
			245						250					255	
Ser	Val	Tyr	Tyr	Ser	Ser	Val	Phe	Cys	Ala	Tyr	Ile	Ser	Pro	Gly	Ser
		260					265						270		
Ser	Tyr	Ser	Pro	Glu	Arg	Ser	Lys	Phe	Thr	Ser	Val	Leu	Tyr	Ser	Val
	275					280						285			
Leu	Ser	Pro	Thr	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp
290					295						300				
Val	Lys	Leu	Ala	Leu	Arg	Arg	Leu	Phe	Pro	Ser	Phe	Ser	Asn		
305					310					315					

<210> 1492
 <211> 322
 <212> PRT
 <213> Mus musculus

<400> 1492

Met	Pro	Leu	Glu	Ala	Glu	Ser	Ile	Met	Arg	Asn	Ser	Thr	Ala	Val	Thr
1				5					10					15	
Asp	Phe	Ile	Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Leu	Trp	Gln	Ile	Val
		20						25					30		
Val	Phe	Thr	Phe	Leu	Leu	Val	Thr	Tyr	Met	Leu	Ser	Val	Thr	Gly	Asn
		35					40					45			
Leu	Ile	Ile	Ile	Ile	Leu	Thr	Leu	Ser	Asp	Ala	His	Leu	Met	Thr	Pro
	50					55					60				
Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe	Ser	Leu	Leu	Glu	Ile	Ser	Phe	Thr
65					70				75						80
Ser	Val	Cys	Ile	Pro	Arg	Phe	Leu	Val	Thr	Ile	Val	Thr	Gly	Asp	Arg
			85					90					95		
Thr	Ile	Ser	Tyr	Asn	Gly	Cys	Val	Ala	Gln	Leu	Phe	Phe	Phe	Ile	Phe
		100						105					110		
Leu	Gly	Val	Thr	Glu	Phe	Tyr	Leu	Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg
	115						120					125			
Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His	Tyr	Thr	Thr	Ile	Met	Ser	Asn
	130					135					140				
Arg	Val	Cys	Ile	Leu	Leu	Val	Phe	Ser	Ser	Trp	Phe	Ala	Gly	Phe	Met
145					150					155					160
Ile	Ile	Phe	Pro	Pro	Ile	Ile	Leu	Leu	Leu	Gln	Leu	Asp	Phe	Cys	Ala
			165						170					175	
Ser	Asn	Ile	Ile	Asp	His	Phe	Ile	Cys	Asp	Ser	Ser	Pro	Ile	Leu	Gln
		180						185					190		
Leu	Ser	Cys	Ser	Asn	Thr	His	Phe	Leu	Glu	Leu	Met	Ala	Phe	Ser	Leu
	195						200					205			
Ala	Val	Val	Thr	Leu	Met	Val	Thr	Leu	Thr	Leu	Ile	Ile	Leu	Ser	Tyr
	210					215					220				
Thr	Asn	Ile	Ile	Arg	Thr	Ile	Leu	Arg	Ile	Pro	Ser	Thr	Asn	Gln	Arg
225				230						235					240
Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Met	Ile	Val	Val	Ser	Leu
			245						250					255	
Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met	Tyr	Ile	Lys	Pro	Ser	Ala	Arg	Glu
	260						265					270			
Arg	Val	Thr	Leu	Ser	Lys	Gly	Val	Ala	Val	Leu	Asn	Thr	Ser	Val	Ala

<210> 1494
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1494

Met	Asp	Glu	Glu	Asn	Gln	Thr	Thr	Thr	Thr	Glu	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Phe	Ser	Asp	Leu	Arg	Ala	Leu	Gln	Gly	Pro	Leu	Phe	Trp	Leu	Val	Leu
		20						25					30		
Leu	Val	Tyr	Leu	Ile	Thr	Phe	Leu	Gly	Asn	Ser	Leu	Ile	Ile	Phe	Leu
		35					40					45			
Thr	Gln	Thr	Ser	Pro	Val	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Arg
	50					55					60				
His	Leu	Ser	Met	Val	Glu	Leu	Leu	Tyr	Thr	Thr	Asp	Ile	Val	Pro	Arg
65					70					75					80
Val	Leu	Ala	Asp	Leu	Thr	Ser	Ser	His	Pro	Gln	Ala	Ile	Ser	Phe	Arg
				85					90					95	
Ser	Cys	Ala	Ala	Gln	Met	Tyr	Phe	Phe	Ile	Val	Leu	Gly	Ile	Ser	Glu
			100					105					110		
Cys	Cys	Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys
		115				120						125			
Gln	Pro	Leu	His	Tyr	Ser	Thr	Leu	Met	Asn	His	Arg	Ala	Cys	Ile	Ala
	130					135					140				
Met	Val	Gly	Thr	Ser	Trp	Ile	Met	Gly	Ile	Ile	Thr	Ala	Thr	Thr	His
145					150					155					160
Ser	Ser	Leu	Ile	Phe	Thr	Leu	Pro	Phe	Pro	Ser	Arg	Pro	Ile	Ile	Pro
				165					170					175	
His	Phe	Leu	Cys	Asp	Ile	Leu	Pro	Val	Leu	Arg	Leu	Ala	Ser	Ala	Gly
			180					185					190		
Lys	His	Arg	Ser	Glu	Ile	Ser	Val	Met	Thr	Ala	Thr	Val	Val	Phe	Ile
		195					200					205			
Met	Ile	Pro	Phe	Ser	Leu	Ile	Val	Thr	Ser	Tyr	Ala	Arg	Ile	Leu	Gly
	210					215					220				
Ala	Ile	Leu	Ala	Ile	Ala	Ser	Ser	Gln	Ser	Arg	Arg	Lys	Val	Phe	Ser
225					230					235					240
Thr	Cys	Ser	Ser	His	Leu	Leu	Val	Val	Ser	Leu	Phe	Phe	Gly	Thr	Ala
				245					250					255	
Ser	Ile	Thr	Tyr	Ile	Arg	Pro	Arg	Ala	Gly	Ser	Ser	Val	Thr	Thr	Asp
		260						265					270		
Arg	Ile	Leu	Ser	Leu	Phe	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro
	275						280					285			
Ile	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Ile	Gly	Ala	Leu	Lys	His
	290					295					300				
Met	Lys	Arg	Gln	Val	Pro										
305					310										

<210> 1495
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1495

Met	Arg	Asn	His	Ser	Ser	Ile	Thr	Thr	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Asp	Asp	Pro	Gln	Leu	Gln	Val	Leu	Leu	Phe	Ile	Phe	Leu	Phe	Leu	Thr

Thr	Gln	Leu	Phe	Ala	Ala	Phe	Ile	Phe	Gly	Ile	Ala	Gln	Phe	Phe	Leu	
			100					105					110			
Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg	Pro	Leu	
		115					120					125				
His	Tyr	Thr	Thr	Ile	Met	Asn	Asn	Arg	Val	Cys	Thr	Leu	Leu	Phe	Val	
	130				135						140					
Ser	Cys	Cys	Leu	Ile	Ala	Val	Phe	Ala	Ile	Cys	Pro	Gly	Val	Ile	Val	
145					150					155					160	
Ser	Leu	Ser	Leu	Glu	Phe	Cys	Asp	Thr	Ile	Ile	Glu	His	Phe	Phe	Cys	
				165					170					175		
Asp	Tyr	Ser	Pro	Ile	Leu	Lys	Leu	Ser	Cys	Asn	Asp	Thr	Arg	Phe	Met	
			180					185					190			
Gln	Leu	Leu	Asn	Phe	Ile	Phe	Ala	Ile	Phe	Ile	Leu	Leu	Met	Thr	Leu	
		195					200					205				
Ala	Leu	Val	Met	Phe	Ser	Tyr	Gly	Lys	Ile	Ile	Ser	Thr	Ile	Leu	Arg	
	210					215					220					
Phe	Pro	Ser	Ala	Gln	Gln	Gln	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	
225					230					235					240	
His	Met	Ile	Val	Val	Ser	Ile	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met	Tyr	
				245					250					255		
Ile	Lys	Pro	Ser	Ala	Glu	Glu	Arg	Ile	Tyr	Leu	Asn	Lys	Gly	Ile	Ala	
			260					265					270			
Ile	Leu	Thr	Leu	Ala	Leu	Ala	Pro	Val	Leu	Asn	Pro	Phe	Ile	Tyr	Thr	
		275					280					285				
Leu	Arg	Asn	Lys	Gln	Val	Lys	Glu	Ala	Leu	Lys	Asp	Ile	Ile	Lys	Lys	
	290					295					300					
Cys	Thr	Ser	Ala	Thr	Ser	Lys										
305					310											

<210> 1497
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1497

Met	Pro	Asn	Lys	Thr	Ser	Ile	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr	
1				5					10					15		
Asp	Asp	Pro	Glu	Leu	Gln	Ile	Val	Ile	Phe	Phe	Phe	Leu	Leu	Ala	Thr	
			20					25					30			
Tyr	Leu	Leu	Ser	Val	Ser	Gly	Asn	Met	Thr	Ile	Ile	Thr	Leu	Thr	Leu	
	35					40						45				
Ser	Asn	Val	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe	
	50				55					60						
Ser	Phe	Leu	Glu	Ile	Leu	Phe	Thr	Thr	Val	Cys	Ile	Pro	Arg	Phe	Leu	
65					70				75						80	
Ile	Ser	Ile	Ile	Thr	Gly	Asn	Thr	Ala	Ile	Ser	Tyr	Asn	Ala	Cys	Met	
				85				90						95		
Ala	Gln	Val	Phe	Phe	Leu	Ile	Phe	Leu	Gly	Ala	Thr	Glu	Phe	Phe	Leu	
			100					105					110			
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	
		115				120						125				
His	Tyr	Thr	Ala	Ile	Ile	Asn	Asn	Lys	Val	Cys	Asn	Gln	Leu	Val	Ile	
	130					135					140					
Ala	Ser	Trp	Ser	Ala	Gly	Phe	Leu	Ile	Val	Phe	Pro	Pro	Val	Ile	Met	
145					150					155					160	
Gly	Leu	Gln	Leu	Glu	Phe	Cys	Asp	Ser	Asn	Ile	Ile	Asp	His	Phe	Thr	

305

310

<210> 1500
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1500

Met	Glu	Thr	Glu	Asn	Asp	Thr	Met	Val	Thr	Glu	Phe	Ile	Ile	Leu	Gly
1				5					10					15	
Leu	Thr	Asp	Ser	Ala	Thr	Leu	Arg	Ala	Ile	Leu	Phe	Val	Phe	Phe	Leu
		20						25					30		
Pro	Val	Tyr	Ile	Val	Thr	Val	Val	Gly	Asn	Ile	Ser	Ile	Ile	Leu	Leu
		35					40					45			
Ile	Arg	Ser	Ser	Pro	Gln	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
His	Leu	Ala	Phe	Val	Asp	Ile	Gly	Tyr	Ser	Thr	Ser	Val	Thr	Pro	Ile
65					70					75					80
Met	Leu	Ile	Ser	Phe	Leu	Arg	Glu	Glu	Thr	Thr	Ile	Pro	Leu	Ala	Gly
				85					90					95	
Cys	Ala	Ala	Gln	Leu	Gly	Ser	Asp	Val	Ala	Phe	Gly	Thr	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Thr	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser
	115						120					125			
Pro	Leu	Leu	Tyr	Ser	Thr	Gln	Met	Ser	Pro	Ala	Ile	Cys	Cys	Phe	Leu
	130					135					140				
Leu	Gly	Ala	Ser	Tyr	Leu	Gly	Gly	Cys	Met	Asn	Ala	Ser	Ser	Phe	Thr
145					150					155					160
Gly	Cys	Phe	Val	Asn	Leu	Asn	Phe	Cys	Gly	Pro	Asn	Lys	Val	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Phe	Pro	Leu	Val	Lys	Leu	Ser	Cys	Gly	His	Ala
			180					185					190		
Tyr	Ile	Ala	Glu	Ile	Ser	Pro	Ser	Ile	Ser	Ser	Ala	Ser	Val	Leu	Val
	195						200					205			
Ser	Thr	Leu	Ser	Thr	Ile	Ile	Val	Ser	Tyr	Ile	Tyr	Ile	Leu	His	Ser
	210					215					220				
Ile	Leu	Arg	Met	Arg	Ser	Ala	Glu	Gly	Arg	Asn	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly	Thr	Val	Leu
				245					250					255	
Phe	Val	Tyr	Val	Met	Pro	Lys	Ser	Ser	Tyr	Ser	Ala	Asp	Gln	Val	Lys
			260					265					270		
Val	Ala	Ser	Val	Val	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Glu	Ala	Met	Lys	Lys	Leu
	290					295					300				
Met	Ala	Arg	Thr	His	Trp	Phe	Pro								
305						310									

<210> 1501
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1501

65					70					75				80
Leu	Leu	Gln	Asn	Met	Gln	Ser	Gln	Asp	Ser	Ser	Ile	Thr	Tyr	Ala Gly
				85					90					95
Cys	Leu	Thr	Gln	Met	Tyr	Phe	Phe	Leu	Leu	Phe	Gly	Asp	Leu	Glu Ser
			100					105					110	
Phe	Leu	Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys Phe
		115					120					125		
Pro	Leu	His	Tyr	Met	Ser	Ile	Met	Ser	Pro	Ser	Leu	Cys	Val	Ser Leu
	130					135					140			
Val	Leu	Leu	Ser	Trp	Val	Leu	Thr	Thr	Phe	His	Ala	Met	Leu	His Thr
145					150					155				160
Leu	Leu	Met	Ala	Arg	Leu	Ser	Phe	Cys	Glu	Asp	Asn	Val	Ile	Pro His
			165					170					175	
Phe	Phe	Cys	Asp	Met	Ser	Ala	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp Thr
			180					185					190	
His	Val	Asn	Glu	Leu	Val	Ile	Phe	Val	Thr	Gly	Gly	Leu	Ile	Leu Val
	195						200					205		
Ile	Pro	Phe	Val	Leu	Ile	Leu	Val	Ser	Tyr	Ala	Arg	Ile	Val	Ser Ser
	210					215				220				
Ile	Leu	Lys	Val	Pro	Ser	Ala	Arg	Gly	Ile	Arg	Lys	Ala	Phe	Ser Thr
225					230					235				240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ile Ile
			245						250				255	
Gly	Leu	Tyr	Leu	Cys	Pro	Ser	Ala	Asp	Asn	Ser	Thr	Val	Lys	Glu Thr
			260					265					270	
Val	Met	Ala	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro Phe
	275						280					285		
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Gly	Ala	Leu	Ala	Arg Val
	290				295					300				
Ile	Cys	Lys	Lys	Lys	Val	Phe	Phe	Cys	Leu					
305					310									

<210> 1503
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1503

Met	Gln	Gly	Thr	Thr	Glu	Arg	Asn	Gln	Thr	Ala	Ile	Ser	Gln	Phe	Leu
1				5					10					15	
Leu	Leu	Gly	Leu	Pro	Ile	Pro	Thr	Glu	His	Gln	His	Leu	Phe	Tyr	Ala
			20					25					30		
Leu	Phe	Leu	Ala	Met	Tyr	Leu	Thr	Val	Leu	Gly	Asn	Leu	Ile	Ile	
	35						40				45				
Ile	Ile	Leu	Ile	His	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Ser
	50					55					60				
Phe	Leu	Ser	Asn	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr
65					70				75					80	
Met	Pro	Lys	Leu	Leu	Gln	Asn	Met	Gln	Ser	Gln	Asp	Pro	Ser	Ile	Pro
			85					90						95	
Tyr	Ala	Gly	Cys	Leu	Ala	Gln	Met	Tyr	Phe	Phe	Leu	Phe	Phe	Ala	Asp
			100				105						110		
Leu	Glu	Ser	Phe	Leu	Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala
	115						120				125				
Ile	Cys	Phe	Pro	Leu	His	Tyr	Met	Ser	Ile	Met	Ser	Pro	Arg	Leu	Cys
	130						135				140				

Val	Ser	Leu	Val	Leu	Leu	Ser	Trp	Val	Leu	Thr	Thr	Phe	His	Ala	Met
145					150					155					160
Leu	His	Thr	Leu	Leu	Met	Ala	Arg	Leu	Ser	Phe	Cys	Glu	Asp	Asn	Val
			165						170						175
Ile	Pro	His	Phe	Phe	Cys	Asp	Met	Ser	Ala	Leu	Leu	Lys	Leu	Ser	Cys
		180					185						190		
Ser	Asp	Thr	Tyr	Val	Asn	Glu	Leu	Val	Ile	Phe	Val	Met	Gly	Ser	Leu
	195					200						205			
Ile	Leu	Val	Ile	Pro	Phe	Val	Leu	Ile	Leu	Val	Ser	Tyr	Ala	Arg	Ile
210					215						220				
Val	Ser	Ser	Ile	Leu	Lys	Val	Pro	Ser	Ala	Arg	Gly	Ile	Arg	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly
			245						250					255	
Thr	Val	Ile	Gly	Leu	Tyr	Leu	Cys	Pro	Ser	Ala	Asp	Asn	Ser	Thr	Val
		260					265						270		
Lys	Glu	Thr	Val	Met	Ala	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu
	275					280						285			
Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Gly	Ala	Leu
290						295					300				
Ile	Ser	Val	Leu	Cys	Lys	Lys	Lys	Ile	Leu	Phe	Cys	Leu			
305					310					315					

<210> 1504
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1504

Met	Thr	Glu	Arg	Asn	Lys	Thr	Val	Ile	Ser	Gln	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Leu	Pro	Ile	Pro	Pro	Glu	His	Gln	Gln	Leu	Phe	Tyr	Ala	Leu	Phe	Leu
			20					25					30		
Val	Met	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Ile	Ile	Ile	Ile	Leu
	35					40						45			
Ile	Ile	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50				55						60				
Asn	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Met	Pro	Lys
65					70					75					80
Leu	Leu	Gln	Asn	Met	Gln	Ser	Gln	Val	Pro	Ser	Ile	Pro	Tyr	Ala	Gly
			85					90						95	
Cys	Leu	Ala	Gln	Ile	Tyr	Phe	Phe	Leu	Phe	Phe	Gly	Asp	Leu	Gly	Asn
		100						105					110		
Phe	Leu	Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Tyr
	115					120						125			
Pro	Leu	His	Tyr	Thr	Thr	Ile	Met	Ser	Pro	Arg	Leu	Cys	Val	Ser	Leu
	130					135					140				
Val	Val	Leu	Ser	Trp	Val	Leu	Thr	Thr	Phe	His	Ala	Met	Leu	His	Thr
145					150					155					160
Leu	Leu	Met	Ala	Arg	Leu	Ser	Phe	Cys	Glu	Asp	Asn	Val	Ile	Pro	His
			165						170					175	
Tyr	Phe	Cys	Asp	Met	Ser	Ala	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr
		180					185					190			
Arg	Val	Asn	Glu	Val	Val	Ile	Phe	Ile	Val	Ala	Ser	Ile	Phe	Leu	Val
	195					200						205			
Leu	Pro	Phe	Ala	Leu	Ile	Thr	Met	Ser	Tyr	Val	Arg	Ile	Val	Ser	Ser

210		215		220
Ile Leu Lys Val Pro Ser Ser Gln Gly Ile Tyr Lys Ala Phe Ser Thr				
225		230		240
Cys Gly Ser His Leu Ser Val Val Ser Leu Phe Tyr Gly Thr Val Ile				
	245		250	255
Gly Leu Tyr Leu Ser Pro Ser Ser Asn Asn Ser Thr Val Lys Asp Thr				
	260		265	270
Val Met Ser Leu Met Tyr Thr Val Val Thr Pro Met Leu Asn Pro Phe				
	275		280	285
Ile Tyr Ser Leu Arg Asn Arg Asp Ile Lys Gly Ala Leu Glu Arg Val				
	290		295	300
Phe Cys Lys Arg Lys Ile Gln Leu Asn Leu				
305		310		

<210> 1505
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1505

Met Pro Gly Glu Asn Val Thr Val Trp Ser Leu Phe Phe Leu Glu Gly		
1	5	10
Phe Ser Arg Tyr Pro Arg Leu Glu Ile Val Leu Phe Val Phe Ser Leu		
	20	25
Val Met Tyr Leu Val Thr Ile Leu Gly Asn Cys Thr Leu Ile Leu Ile		
	35	40
Thr Val Leu Asp Ser Arg Leu Gln Thr Pro Met Tyr Leu Phe Leu Gly		
	50	55
Asn Leu Ser Phe Met Asp Ile Cys Tyr Thr Ser Ala Ser Ile Pro Thr		
	65	70
Leu Leu Val Asn Leu Leu Ser Ser Lys Lys Thr Ile Ile Phe Ser Gly		
	85	90
Cys Ala Val Gln Met Tyr Leu Ser Leu Ser Met Gly Ser Thr Glu Cys		
	100	105
Ile Leu Leu Ala Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn		
	115	120
Pro Leu Arg Tyr Pro Ile Ile Met Asn Arg Gln Val Cys Val Gln Met		
	130	135
Ala Thr Ile Ser Trp Val Thr Gly Cys Leu Thr Ala Leu Leu Glu Thr		
	145	150
Ser Phe Ala Leu Gln Ile Pro Leu Cys Gly Asn Ile Ile Asn His Phe		
	165	170
Thr Cys Glu Ile Leu Ala Val Leu Lys Leu Ala Cys Val Ser Ser Leu		
	180	185
Leu Met Asp Leu Val Met Leu Val Val Ser Ile Leu Leu Leu Pro Ile		
	195	200
Pro Met Leu Leu Ile Cys Ile Ser Tyr Gly Phe Ile Leu Ser Thr Ile		
	210	215
Leu Arg Ile Ser Ser Thr Glu Gly Arg Asn Lys Ala Phe Ser Thr Cys		
	225	230
Gly Ala His Leu Thr Val Val Ile Leu Tyr Tyr Gly Ala Ala Leu Ser		
	245	250
Met Tyr Leu Lys Pro Ser Ser Ser Asn Ser Gln Glu Ile Asp Lys Ile		
	260	265
Ile Ser Leu Leu Tyr Gly Val Leu Thr Pro Met Leu Asn Pro Ile Ile		
	275	280
		285

Tyr Ser Leu Arg Asn Lys Glu Val Lys Asp Ala Val Ile Lys Leu Leu
 290 295 300
 Gly Lys Val Pro Leu Ala Pro Ser Val
 305 310

<210> 1506
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1506
 Met Pro Asn Ser Ile Gln Leu Arg Glu Lys Arg Met Asn Val Thr Glu
 1 5 10 15
 Phe Ile Leu Met Gly Leu Thr Gln Asn Pro Gln Leu Gln Arg Ile Leu
 20 25 30
 Phe Phe Val Leu Leu Ile Thr Tyr Ile Ile Thr Val Thr Gly Asn Leu
 35 40 45
 Leu Ile Val Gly Thr Ile Val Cys Ser Gln Ser Leu Asn Ser Pro Met
 50 55 60
 Tyr Phe Phe Leu Thr Phe Leu Ser Leu Ile Asp Ala Cys Tyr Ser Ser
 65 70 75 80
 Cys Thr Ile Pro Lys Met Leu Val Asp Leu Leu Ser Glu Thr Lys Thr
 85 90 95
 Ile Ser Phe Asn Gly Cys Ile Leu Gln Leu Phe Val Glu His Phe Leu
 100 105 110
 Gly Ala Ser Glu Ile Val Leu Leu Val Val Met Ala Tyr Asp Arg Tyr
 115 120 125
 Val Ala Ile Cys Arg Pro Leu His Tyr Ala Ser Arg Met Asn His His
 130 135 140
 Met Cys Cys Leu Leu Val Gly Ile Cys Trp Ile Val Gly Phe Leu His
 145 150 155 160
 Ser Phe Gly Gln Ile Leu Val Thr Leu Trp Ile Pro Phe Cys Gly Pro
 165 170 175
 Asn Ile Leu Asp His Phe Phe Cys Asp Ile Phe Pro Leu Leu Gln Leu
 180 185 190
 Ala Cys Thr Asp Thr Phe Leu Leu Gly Leu Leu Val Ala Cys Asn Gly
 195 200 205
 Gly Val Ile Pro Val Ile Thr Phe Thr Met Leu Leu Met Ser Tyr Ala
 210 215 220
 Val Ile Leu Tyr Ser Leu Arg Thr His Ser Thr Ala Gly Arg Lys Lys
 225 230 235 240
 Ala Leu Ser Thr Cys Gly Ser His Ile Thr Val Val Val Leu Phe Phe
 245 250 255
 Val Pro Cys Ile Phe Met Tyr Met Arg Pro Val Ala Thr Phe Pro Met
 260 265 270
 Asp Lys Ala Ile Ala Val Phe Tyr Ile Ile Ile Thr Pro Leu Leu Asn
 275 280 285
 Pro Val Ile Tyr Thr Val Arg Asn Ala Glu Val Lys Ser Ala Ile Arg
 290 295 300
 Met Leu Leu Lys Arg Met His Leu
 305 310

<210> 1507
 <211> 309
 <212> PRT

<213> Mus musculus

<400> 1507

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Met Gly Asn Val Thr Val Phe Ile Leu Leu Gly Leu Ser Asp Asn Gln
 1           5           10           15
Asn Ile Glu Val Leu Cys Phe Val Leu Phe Leu Phe Cys Tyr Ile Ala
      20           25           30
Ile Trp Met Gly Asn Val Leu Ile Met Val Ser Ile Thr Cys Thr Gln
      35           40           45
Leu Met Asp Gln Pro Met Tyr Phe Phe Leu His Tyr Leu Ser Leu Cys
      50           55           60
Asp Leu Cys Tyr Thr Ser Thr Val Thr Pro Lys Leu Leu Thr Asp Leu
      65           70           75           80
Leu Ala Glu Arg Lys Ile Ile Ser Tyr Asn Asn Cys Met Thr Gln Leu
      85           90           95
Phe Val Leu His Phe Leu Gly Ala Ile Glu Ile Phe Ile Leu Thr Ala
      100          105          110
Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Arg Pro Leu His Tyr Thr
      115          120          125
Val Ile Met Ser Arg Gln Arg Cys Asn Glu Ile Leu Ala Ala Cys Cys
      130          135          140
Thr Gly Gly Phe Val His Ser Ala Ser Gln Ser Leu Leu Ile Ala Cys
      145          150          155          160
Leu Ser Phe Cys His His Asn Glu Ile Asp His Tyr Phe Cys Asp Val
      165          170          175
Tyr Pro Leu Leu Lys Leu Ala Cys Thr Asp Thr His Arg Ile Gly Leu
      180          185          190
Phe Val Ile Val Asp Ser Gly Leu Ile Ala Leu Val Thr Phe Val Val
      195          200          205
Leu Met Val Ser Tyr Phe Leu Ile Ala Tyr Thr Ile Ser Val Tyr Pro
      210          215          220
Ala Glu Ser Arg Ser Lys Ala Leu Ser Thr Cys Ser Ser His Ile Thr
      225          230          235          240
Ile Val Val Leu Phe Phe Val Pro Val Phe Phe Ile Tyr Ile Arg Pro
      245          250          255
Asn Ile Thr Phe Pro Glu Asp Lys Val Phe Ala Leu Phe Tyr Thr Ile
      260          265          270
Ile Ala Pro Met Phe Asn Pro Leu Ile Tyr Thr Leu Arg Asn Ile Glu
      275          280          285
Met Lys Arg Ala Ile Lys Lys Met Trp Tyr His Gln Ile Pro Ser Tyr
      290          295          300
Lys Lys Gln Ile Pro
      305
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<210> 1508

<211> 307

<212> PRT

<213> Mus musculus

<400> 1508

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Met Glu Ser Thr Asn Asn Ile Thr Glu Phe Ile Leu Leu Gly Leu Ser
 1           5           10           15
Gln Asn Lys Lys Ile Lys Ala Leu Cys Phe Leu Met Phe Leu Phe Cys
      20           25           30
Tyr Ile Ala Ile Leu Gly Gly Asn Met Ile Ile Leu Ile Ser Ile Thr
      35           40           45
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Cys Ser Gln Leu Ile Glu Gln Pro Met Tyr Phe Phe Leu Asn Tyr Leu
 50 55 60
 Ala Leu Ser Asp Leu Cys Tyr Thr Ser Thr Val Thr Pro Lys Phe Leu
 65 70 75 80
 Thr Asp Leu Leu Val Glu Arg Asn Lys Ile Ser Tyr Thr Ser Cys Met
 85 90 95
 Ala Gln Leu Phe Thr Met His Phe Phe Gly Gly Ile Glu Ile Leu Ile
 100 105 110
 Leu Thr Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu
 115 120 125
 His Tyr Ser Ile Ile Met Ser Arg Gly Arg Cys His Ala Met Val Thr
 130 135 140
 Ala Cys Cys Ala Gly Ala Phe Ile His Ser Phe Leu Gln Ser Leu Leu
 145 150 155 160
 Ala Ile Ser Leu Pro Phe Cys Gly His Asn Glu Met Asp His Tyr Phe
 165 170 175
 Cys Asp Ile Tyr Pro Leu Val Thr Leu Ser Cys Thr Asn Thr His Arg
 180 185 190
 Val Gly Leu Leu Val Val Val Asn Ser Gly Met Met Gly Leu Val Thr
 195 200 205
 Phe Val Val Leu Met Trp Ser Tyr Ser Phe Ile Leu Tyr Thr Ile Arg
 210 215 220
 Ala Tyr Pro Ala Glu Ser Arg Ser Lys Ala Leu Ser Thr Cys Ser Ser
 225 230 235 240
 His Val Thr Val Val Ile Phe Phe Phe Val Pro Val Leu Phe Ile Tyr
 245 250 255
 Ile Arg Pro Ala Thr Thr Tyr Pro Glu Asp Lys Val Phe Ala Leu Phe
 260 265 270
 Tyr Thr Ile Leu Ala Pro Met Phe Asn Pro Leu Ile Tyr Thr Leu Arg
 275 280 285
 Asn Thr Glu Met Lys Asn Ala Leu Arg Lys Val Trp Cys His Lys Leu
 290 295 300
 Phe Phe Ile
 305

<210> 1509
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1509
 Met Glu Arg Ser Leu Gln Leu Ala Asn Arg Ser Asp Asp Gln Asp Phe
 1 5 10 15
 Ile Leu Leu Gly Leu Ser Ala Ser Lys Asp Ile Lys Asp Gly Leu Phe
 20 25 30
 Val Ile Phe Leu Thr Leu Tyr Leu Leu Ile Phe Leu Glu Asn Met Leu
 35 40 45
 Val Ile Tyr Leu Ile Ser Ser His His Glu Leu Leu His Lys Pro Met
 50 55 60
 Tyr Phe Phe Leu Gly Asn Leu Ser Cys Leu Glu Met Cys Tyr Val Ser
 65 70 75 80
 Val Thr Met Pro Thr Leu Leu Val Gly Leu Arg Ser Ser Pro Tyr His
 85 90 95
 Val Ser Phe Ser Phe Cys Met Ala Gln Leu Phe Leu Phe Met Ser Leu
 100 105 110
 Ile Gly Thr Lys Cys Thr Leu Leu Ala Ser Met Ala Tyr Asp Arg Tyr

Cys	Thr	His	Val	Ala	Leu	Thr	Glu	Leu	Val	Asp	Phe	Ile	Ser	Ala	Ile
		195					200					205			
Val	Ile	Leu	Trp	Gly	Ser	Leu	Leu	Val	Ala	Met	Ala	Ser	Tyr	Val	Ala
	210					215					220				
Ile	Gly	Arg	Thr	Val	Leu	Gly	Met	Pro	Ser	Ala	Ala	Ala	Arg	His	Lys
225					230					235					240
Ala	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Val	Val	Val	Gly	Ile	Phe	Tyr
				245					250					255	
Ser	Ala	Thr	Ile	Phe	Ile	Tyr	Ala	Arg	Pro	Ser	Arg	Ile	Glu	Ala	Met
			260					265					270		
Asp	Leu	Asn	Lys	Val	Leu	Ser	Val	Ile	Tyr	Thr	Val	Val	Thr	Pro	Met
		275					280					285			
Cys	Asn	Pro	Val	Ile	Tyr	Cys	Leu	Arg	Asn	Arg	Glu	Val	Gln	Ser	Ala
	290					295					300				
Phe	His	Arg	Thr	Met	Arg	Trp	Ser	Ser	Val						
305						310									

<210> 1511
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1511

Met	Glu	Arg	Ser	Leu	Ala	Leu	Ala	Asn	Met	Thr	Arg	Val	Gln	Gln	Phe
1				5					10					15	
Ile	Leu	Leu	Gly	Leu	Ser	Thr	Arg	Leu	Asp	Ile	Arg	Asp	Ala	Leu	Phe
			20					25					30		
Ala	Val	Phe	Leu	Thr	Leu	Tyr	Leu	Leu	Thr	Leu	Leu	Glu	Asn	Thr	Leu
		35					40					45			
Ile	Ile	Tyr	Leu	Ile	Cys	Ser	His	Lys	Glu	Leu	His	Lys	Pro	Met	Tyr
	50				55						60				
Phe	Phe	Leu	Gly	Asn	Leu	Ser	Cys	Leu	Glu	Met	Cys	Tyr	Val	Ser	Val
65				70					75					80	
Thr	Met	Pro	Thr	Leu	Leu	Met	Gly	Leu	Trp	Asn	Gly	Leu	Tyr	His	Ile
			85					90						95	
Pro	Phe	Ile	Ala	Cys	Met	Thr	Gln	Leu	Phe	Phe	Phe	Ile	Val	Leu	Val
			100					105					110		
Gly	Thr	Glu	Cys	Ile	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val
	115						120					125			
Ala	Ile	Cys	Arg	Pro	Leu	His	Tyr	Pro	Val	Leu	Met	Arg	Pro	Gln	Val
	130				135						140				
Cys	Leu	Gly	Leu	Ala	Met	Ile	Ser	Trp	Leu	Gly	Gly	Leu	Leu	Val	Ser
145				150					155					160	
Met	Ile	Lys	Thr	Thr	Cys	Ile	Ala	Thr	Leu	Ser	Tyr	Cys	Gly	Pro	Asn
			165					170						175	
Val	Leu	Asn	His	Phe	Phe	Cys	Asp	Val	Ser	Pro	Leu	Leu	Asn	Leu	Ser
		180						185					190		
Cys	Thr	His	Val	Ala	Leu	Thr	Glu	Leu	Val	Asp	Phe	Ile	Ser	Ala	Ile
		195					200					205			
Val	Ile	Leu	Trp	Gly	Cys	Phe	Leu	Thr	Thr	Met	Ala	Ser	Tyr	Val	Ala
	210					215					220				
Ile	Gly	Arg	Ala	Val	Leu	Arg	Met	Pro	Ser	Thr	Thr	Ala	Arg	Tyr	Lys
225					230					235					240
Ala	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Val	Val	Val	Gly	Ile	Phe	Tyr
				245					250					255	
Ser	Val	Thr	Ile	Phe	Ile	Tyr	Ala	Arg	Pro	Lys	Arg	Ile	Glu	Ala	Met

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 <212> PRT
 <213> Mus musculus

<400> 1513
 Met Met Arg Asn Gln Thr Leu Val Thr Glu Phe Ile Leu Gln Gly Phe
 1 5 10 15
 Ser Glu His Pro Gln Tyr Gln Leu Pro Leu Phe Phe Cys Phe Leu Ser
 20 25 30
 Leu Tyr Cys Val Ala Leu Thr Gly Asn Val Leu Ile Ile Leu Ala Ile
 35 40 45
 Thr Cys Asn Pro Gly Leu His Thr Pro Met Tyr Phe Phe Leu Phe Asn
 50 55 60
 Leu Ala Thr Met Asp Ile Ile Cys Thr Ser Ser Ile Met Pro Lys Ala
 65 70 75 80
 Leu Arg Gly Leu Val Ser Lys Arg Asn Pro Ile Ser Tyr Gly Gly Cys
 85 90 95
 Met Ala Gln Leu Tyr Phe Leu Thr Trp Ser Ala Ser Ser Glu Leu Leu
 100 105 110
 Leu Leu Thr Val Met Ala Tyr Asp Arg Tyr Ala Ala Ile Cys His Pro
 115 120 125
 Leu His Tyr Ser Thr Met Met Ser Lys Ala Phe Cys Ser Met Leu Ala
 130 135 140
 Ala Gly Val Trp Ala Leu Cys Ala Phe Asn Thr Ala Ile His Thr Gly
 145 150 155 160
 Leu Met Thr Arg Leu Ser Phe Cys Gly Pro Asn Val Ile Thr His Phe
 165 170 175
 Phe Cys Glu Val Pro Pro Leu Leu Leu Ser Cys Ser Ser Thr Tyr
 180 185 190
 Val Asn Ser Val Met Ile Val Leu Ala Asp Ala Phe Tyr Gly Ile Leu
 195 200 205
 Asn Phe Leu Met Thr Ile Val Ser Tyr Gly Phe Ile Ile Ser Ser Ile
 210 215 220
 Leu Lys Met Arg Thr Ser Glu Gly Lys Gln Lys Ala Phe Ser Thr Cys
 225 230 235 240
 Ser Ser His Leu Ile Val Val Cys Met Tyr Tyr Thr Ala Val Phe Tyr
 245 250 255
 Ala Tyr Ile Ser Pro Val Ser Ser Tyr Asn Ala Glu Lys Ser Lys Leu
 260 265 270
 Ala Gly Val Leu Tyr Thr Met Leu Ser Pro Thr Leu Asn Pro Leu Ile
 275 280 285
 Tyr Thr Leu Arg Asn Lys Glu Val Lys Ala Ala Leu Arg Lys Phe Phe
 290 295 300
 Pro Phe Leu Arg Asn
 305

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 <211> 307
 <212> PRT
 <213> Mus musculus

<400> 1514
 Met Asp Gly Asp Asn Glu Thr Met Val Ala Glu Phe Leu Leu Leu Gly
 1 5 10 15
 Leu Ser Gly Lys Ser Glu Gln Glu Glu Val Val Phe Gly Met Phe Leu

Cys	Met	Thr	Gln	Ile	Tyr	Phe	Phe	Ile	Thr	Phe	Ile	Asn	Met	Asp	Gly
			100					105				110			
Phe	Leu	Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	His	Tyr	Thr	Met	Met	Met	Arg	Pro	Arg	Leu	Cys	Val	Leu	Leu
	130				135						140				
Val	Ala	Ile	Ser	Trp	Ala	Ile	Thr	Asn	Leu	His	Ala	Leu	Leu	His	Thr
145				150					155						160
Leu	Leu	Met	Val	Arg	Leu	Thr	Phe	Cys	Ser	His	Asn	Ala	Met	His	His
			165					170						175	
Phe	Phe	Cys	Asp	Pro	Tyr	Pro	Ile	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr
			180				185					190			
Phe	Ile	Asn	Asp	Ile	Thr	Ala	Phe	Thr	Val	Gly	Gly	Leu	Thr	Ser	Ile
	195					200						205			
Thr	Pro	Phe	Thr	Cys	Ile	Thr	Val	Ser	Tyr	Gly	Tyr	Ile	Leu	Ser	Asn
	210				215						220				
Val	Leu	Lys	Phe	Pro	Ser	Ile	Gln	Gly	Ile	Arg	Lys	Ala	Leu	Ser	Thr
225				230					235						240
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Ser	Leu	Phe	Tyr	Gly	Ala	Ile	Leu
			245					250						255	
Gly	Val	Tyr	Met	His	Pro	Ser	Ser	Thr	Tyr	Ser	Val	Gln	Asp	Met	Val
			260				265						270		
Ala	Thr	Ala	Phe	Phe	Thr	Val	Val	Thr	Pro	Met	Val	Asn	Pro	Phe	Ile
	275					280						285			
Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Val	Lys	Gly	Ala	Leu	Arg	Lys	Leu	Met
	290			295							300				
Cys	Arg	Arg	Leu	Thr	Ser	Ser	Arg	Phe	Tyr	Asn					
305				310					315						

<210> 1516
 <211> 307
 <212> PRT
 <213> Mus musculus

<400> 1516

Met	Asp	Gly	Asp	Asn	Gln	Thr	Ile	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5				10					15		
Leu	Thr	Arg	Gln	Ser	Glu	Lys	Glu	Glu	Val	Val	Phe	Gly	Leu	Phe	Leu
		20				25							30		
Trp	Met	Tyr	Leu	Val	Thr	Ile	Ser	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala
	35					40						45			
Ile	Ser	Cys	Asp	Pro	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala
	50				55					60					
Asn	Leu	Ser	Ser	Val	Asp	Ile	Ser	Ala	Pro	Ser	Val	Ile	Val	Pro	Lys
65				70					75					80	
Ala	Leu	Val	Asn	His	Met	Leu	Gly	Ser	Lys	Ser	Ile	Ser	Tyr	Thr	Gly
			85					90						95	
Cys	Met	Thr	Gln	Ile	Tyr	Phe	Phe	Ile	Thr	Phe	Ser	Asn	Met	Asp	Gly
			100					105				110			
Phe	Leu	Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
		115				120						125			
Pro	Leu	His	Tyr	Thr	Met	Met	Met	Arg	Pro	Arg	Leu	Cys	Val	Leu	Leu
	130				135						140				
Val	Ala	Ile	Ser	Trp	Ala	Ile	Thr	Asn	Leu	His	Ala	Leu	Leu	His	Thr
145				150					155						160
Leu	Leu	Met	Val	Arg	Leu	Thr	Phe	Cys	Ser	His	Asn	Ala	Val	His	His

				165					170					175			
Phe	Phe	Cys	Asp	Pro	Tyr	Pro	Ile	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr		
			180					185					190				
Phe	Ile	Asn	Asp	Leu	Met	Val	Phe	Thr	Ile	Gly	Gly	Leu	Val	Phe	Met		
		195					200					205					
Thr	Pro	Phe	Thr	Cys	Ile	Ile	Val	Ser	Tyr	Ala	Tyr	Ile	Phe	Ser	Lys		
	210				215						220						
Val	Leu	Lys	Leu	Lys	Ser	Ala	His	Gly	Ile	Arg	Lys	Ala	Leu	Ser	Thr		
225					230					235					240		
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Ser	Leu	Phe	Tyr	Gly	Ala	Ile	Leu		
			245						250					255			
Gly	Ile	Tyr	Met	His	Pro	Ser	Ser	Thr	Tyr	Thr	Val	Gln	Asp	Thr	Val		
		260						265					270				
Ala	Thr	Val	Ile	Phe	Thr	Val	Val	Thr	Pro	Met	Val	Asn	Pro	Phe	Ile		
	275						280					285					
Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Ile	Lys	Gly	Ala	Leu	Arg	Lys	Ile	Ile		
	290					295					300						
Leu	Arg	Ser															
305																	

<210> 1517
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 <212> PRT
 <213> Mus musculus

<400> 1517

Met	Glu	Glu	Ala	Asn	Gln	Thr	Val	Val	Ser	Glu	Phe	Ile	Phe	Gln	Gly		
1				5				10						15			
Leu	Cys	Ala	Ser	Lys	Glu	Leu	Gln	Ile	Leu	Leu	Leu	Leu	Pro	Phe	Ser		
			20				25						30				
Thr	Leu	Tyr	Met	Met	Thr	Val	Val	Gly	Asn	Leu	Phe	Val	Val	Ile	Leu		
	35					40						45					
Ile	Ile	Ile	Asp	His	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ala		
	50					55					60						
Asn	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Leu	Ser	Ser	Val	Thr	Thr	Pro	Lys		
65					70				75						80		
Leu	Ile	Thr	Asp	Leu	Leu	Lys	Asp	Asn	Lys	Thr	Ile	Ser	Phe	Gly	Gly		
			85					90						95			
Cys	Met	Ser	Gln	Ile	Leu	Cys	Val	His	Phe	Phe	Gly	Gly	Gly	Glu	Met		
		100					105						110				
Val	Leu	Leu	Val	Thr	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg		
	115					120						125					
Pro	Leu	His	Tyr	Ser	Ser	Ile	Met	Asp	Arg	Gln	Lys	Cys	Ile	Trp	Leu		
	130					135					140						
Val	Val	Ile	Ser	Trp	Thr	Ile	Gly	Phe	Ile	His	Ala	Met	Ser	Gln	Leu		
145					150					155					160		
Ile	Leu	Ile	Leu	Asp	Leu	Pro	Phe	Cys	Gly	Pro	Arg	Val	Ile	Asp	Ser		
			165					170						175			
Phe	Phe	Cys	Asp	Ile	Pro	Leu	Val	Met	Lys	Leu	Ala	Cys	Met	Asn	Thr		
		180						185					190				
Asp	Thr	Leu	Gly	Ile	Val	Ile	Asn	Ala	Asp	Ser	Gly	Val	Leu	Ala	Thr		
	195					200						205					
Thr	Cys	Phe	Ile	Leu	Leu	Leu	Ile	Ser	Tyr	Thr	Tyr	Ile	Leu	Leu	Thr		
	210					215					220						
Val	Gln	Leu	His	Ser	Lys	Asp	Gly	Ser	Ser	Lys	Ala	Leu	Ser	Thr	Cys		
225					230					235					240		

Thr	Ser	His	Ile	Ile	Val	Val	Val	Leu	Phe	Phe	Gly	Pro	Cys	Ile	Phe	
				245					250					255		
Ile	Tyr	Leu	Trp	Pro	Val	Ser	Ile	Thr	Trp	Val	Asp	Lys	Phe	Leu	Ala	
			260					265					270			
Val	Phe	Tyr	Thr	Val	Ile	Thr	Pro	Leu	Leu	Asn	Pro	Ala	Ile	Tyr	Thr	
		275					280					285				
Leu	Arg	Asn	Lys	Asp	Ile	Lys	Asn	Ala	Ile	Lys	Lys	Leu	Lys	Asn	His	
	290					295					300					
Met																
305																

<210> 1518
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 1518

Met	Glu	Asp	Ser	Asn	Arg	Thr	Val	Ser	Ser	Glu	Phe	Ile	Phe	Gln	Gly	
1				5					10					15		
Leu	Cys	Ser	Ser	Arg	Gln	Leu	Glu	Ile	Phe	Leu	Leu	Leu	Pro	Phe	Ser	
			20					25					30			
Ile	Leu	Tyr	Leu	Met	Ala	Val	Val	Gly	Asn	Leu	Phe	Val	Val	Ile	Leu	
		35					40					45				
Ile	Ile	Ile	Asp	His	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ala	
	50					55					60					
Asn	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Leu	Ser	Ser	Val	Thr	Thr	Pro	Lys	
65					70					75					80	
Leu	Thr	Ile	Asp	Leu	Leu	Lys	Glu	Asn	Lys	Thr	Ile	Ser	Phe	Val	Gly	
				85					90					95		
Tyr	Met	Arg	Gln	Ile	Val	Cys	Val	His	Phe	Phe	Ala	Gly	Gly	Glu	Met	
			100					105					110			
Val	Leu	Leu	Val	Thr	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg	
		115					120					125				
Pro	Leu	His	Tyr	Ser	Ser	Ile	Met	Asp	Arg	Gln	Lys	Cys	Ile	Trp	Leu	
	130					135					140					
Val	Val	Ile	Ser	Trp	Ile	Val	Gly	Phe	Val	His	Ala	Ile	Ser	Gln	Met	
145					150					155					160	
Leu	Leu	Ile	Leu	Asp	Leu	Pro	Phe	Cys	Gly	Pro	Arg	Val	Ile	Asp	Ser	
				165					170					175		
Phe	Phe	Cys	Asp	Ile	Pro	Leu	Val	Met	Lys	Leu	Ala	Cys	Met	Asn	Thr	
		180						185					190			
Asp	Thr	Leu	Glu	Ile	Leu	Ile	Asn	Ala	Asp	Ser	Gly	Ile	Leu	Ala	Thr	
		195					200					205				
Thr	Trp	Phe	Ile	Leu	Leu	Leu	Ile	Ser	Tyr	Thr	Tyr	Ile	Leu	Leu	Thr	
	210					215					220					
Val	Gln	His	Arg	Ser	Lys	Asp	Gly	Ser	Ser	Lys	Ala	Leu	Ser	Thr	Cys	
225					230					235					240	
Thr	Ser	His	Ile	Ile	Val	Val	Leu	Leu	Phe	Phe	Gly	Pro	Ile	Ile	Phe	
				245					250					255		
Ile	Tyr	Leu	Trp	Pro	Val	Ser	Ile	Thr	Trp	Val	Asp	Lys	Phe	Leu	Ala	
			260					265					270			
Val	Phe	Tyr	Ser	Val	Ile	Thr	Pro	Leu	Leu	Asn	Pro	Ala	Ile	Tyr	Thr	
		275					280					285				
Leu	Arg	Asn	Lys	Asp	Ile	Lys	Asn	Ala	Ile	Lys	Lys	Leu	Ile	Ser	His	
	290					295					300					

Lys

305

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<211> 305
<212> PRT
<213> Mus musculus

<400> 1519
Met Glu Leu Glu Asn Gln Thr Arg Val Ile Glu Phe Phe Leu Leu Gly
1 5 10 15
Leu Ser Glu Asp Pro Glu Leu Gln Pro Ile Leu Phe Gly Leu Phe Leu
20 25 30
Leu Met Tyr Leu Val Thr Val Ser Gly Asn Leu Leu Ile Ile Leu Ala
35 40 45
Ile Val Ser Asp Ala His Leu His Thr Pro Met Tyr Phe Phe Leu Ser
50 55 60
Asn Leu Ser Phe Thr Asp Ile Cys Phe Ser Thr Thr Thr Val Pro Lys
65 70 75 80
Met Leu Thr Asn Leu Gln Lys Gln Ser Lys Ser Ile Ser Tyr Thr Gly
85 90 95
Cys Ile Thr Gln Leu Ser Phe Val Leu Leu Phe Ala Gly Met Glu Asn
100 105 110
Phe Leu Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn
115 120 125
Pro Leu Arg Tyr Thr Asp Ile Met Lys Leu His Leu Cys Phe Val Met
130 135 140
Ile Phe Leu Ser Leu Tyr Ile Ser Ile Val Asp Ala Leu Leu His Gly
145 150 155 160
Leu Met Thr Leu Arg Leu Ser Phe Cys Thr Phe Leu Glu Ile Pro His
165 170 175
Phe Phe Cys Glu Leu Tyr Gln Val Ile Lys Ile Ala Cys Ser Asp Thr
180 185 190
Leu Ile Asn Asn Ile Leu Ile Tyr Val Met Ser Ser Ala Leu Gly Gly
195 200 205
Met Pro Leu Val Gly Ile Ile Phe Ser Tyr Tyr Lys Ile Ile Ser Ser
210 215 220
Ile Leu Arg Met Pro Ser Pro Gly Gly Arg His Lys Ala Phe Ser Thr
225 230 235 240
Cys Gly Ser His Leu Ser Val Val Ser Leu Phe Tyr Gly Thr Ala Phe
245 250 255
Gly Val Tyr Ile Ser Ser Ala Phe Thr Glu Ser Tyr Arg Arg Thr Ser
260 265 270
Val Ala Ser Leu Met Tyr Thr Val Phe Pro Pro Met Leu Asn Pro Phe
275 280 285
Ile Tyr Ser Leu Arg Asn Lys Asp Met Lys Lys Ala Leu Arg Lys Ile
290 295 300
Val
305

<210> 1520
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<212> PRT
<213> Mus musculus

<400> 1520

Met	Glu	Ser	Ala	Asn	Gln	Thr	Gly	Ile	Ser	Glu	Phe	Phe	Leu	Ile	Gly
1				5					10					15	
Leu	Ile	Tyr	Val	Pro	Glu	Leu	Gln	Pro	Leu	Phe	Phe	Asp	Leu	Phe	Leu
			20					25					30		
Ser	Met	Tyr	Leu	Ile	Thr	Ile	Ile	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala
		35					40					45			
Val	Ser	Lys	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys
	50					55				60					
Asn	Leu	Ser	Phe	Thr	Asp	Ile	Cys	Thr	Ser	Thr	Thr	Thr	Val	Pro	Lys
65					70					75					80
Leu	Leu	Leu	Asn	Ile	Gln	Val	His	Asp	Gln	Ser	Ile	Thr	Tyr	Ile	Gly
			85						90					95	
Cys	Leu	Ser	Gln	Val	Cys	Phe	Ile	Leu	Thr	Phe	Cys	Val	Leu	Glu	Arg
			100					105					110		
Cys	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Gln
		115					120					125			
Pro	Leu	Arg	Tyr	Thr	Ile	Ile	Met	Asn	Pro	Phe	Leu	Cys	Ile	Cys	Leu
	130					135					140				
Val	Leu	Leu	Ser	Leu	Ile	Ile	Ser	Thr	Ile	Asn	Ala	Leu	Leu	His	Thr
145					150					155					160
Leu	Leu	Val	Leu	Pro	Leu	Ser	Phe	Cys	Thr	Glu	Gln	Asn	Val	Pro	Asn
			165					170						175	
Phe	Phe	Cys	Glu	Leu	Gly	Gln	Ile	Thr	Lys	Leu	Ser	Cys	Ser	Asp	Thr
		180					185					190			
Phe	Ile	Asn	Ile	Leu	Phe	Ile	Tyr	Thr	Ala	Thr	Ile	Val	Phe	Ser	Val
	195						200					205			
Ile	Pro	Leu	Ser	Gly	Ile	Ile	Phe	Ser	Tyr	Ile	Gln	Ile	Val	Ser	Ser
	210				215						220				
Ile	Leu	Lys	Ile	Pro	Ser	Val	Gly	Gly	Arg	His	Lys	Ala	Phe	Ser	Thr
225				230						235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Gly	Leu
			245					250					255		
Gly	Val	Tyr	Met	Asn	Ala	Ser	Val	Ser	Asn	Ser	Ser	Ile	Ser	Asn	Val
		260					265					270			
Ile	Thr	Ser	Met	Met	Tyr	Ser	Val	Val	Pro	Gln	Met	Leu	Asn	Pro	Phe
	275					280					285				
Ile	Tyr	Ser	Leu	Arg	Ser	Lys	Glu	Ile	Lys	Gly	Ser	Leu	Arg	Gln	Leu
	290				295						300				
Ile	Ile	Gly	Ile	Ile	Cys	Phe	Pro								
305					310										

<210> 1521
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 <212> PRT
 <213> Mus musculus

<400> 1521

Met	Lys	Pro	Glu	Asn	Gln	Thr	Asn	Ile	Leu	Glu	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Phe	Ser	Gln	Tyr	Pro	Glu	His	Gln	Pro	Met	Leu	Phe	Gly	Leu	Phe	Leu
		20						25					30		
Leu	Met	Phe	Val	Val	Ala	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala
		35					40					45			
Val	Ser	Ile	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55				60					
Asn	Leu	Ser	Phe	Ser	Asp	Ile	Gly	Phe	Ile	Ser	Thr	Thr	Val	Pro	Lys

65					70					75				80
Met	Leu	Val	Asn	Ile	Gln	Thr	Gln	Ser	Lys	Ser	Ile	Ser	Tyr	Ala
				85					90					95
Cys	Ile	Thr	Gln	Ile	Tyr	Phe	Phe	Met	Leu	Phe	Gly	Gly	Met	Asp
			100					105					110	
Leu	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys
		115					120					125		
Pro	Leu	His	Tyr	Ser	Val	Ile	Met	Asn	Pro	Gln	Leu	Ser	Gly	Leu
	130					135					140			
Val	Leu	Val	Ser	Trp	Phe	Ile	Ser	Phe	Ser	Tyr	Ser	Leu	Ile	Gln
145					150					155				160
Leu	Leu	Met	Leu	Arg	Leu	Ser	Phe	Cys	Thr	Asn	Gln	Ile	Ile	Lys
				165					170					175
Phe	Tyr	Cys	Glu	Tyr	Ala	Lys	Ala	Leu	Thr	Ile	Ala	Cys	Ser	Asp
			180					185					190	
Leu	Ile	Asn	His	Ile	Leu	Leu	Tyr	Ile	Val	Ile	Trp	Val	Leu	Gly
		195					200					205		
Ile	Pro	Phe	Ser	Gly	Ile	Leu	Tyr	Ser	Tyr	Tyr	Lys	Ile	Phe	Ser
	210					215					220			
Ile	Leu	Arg	Ile	Pro	Ser	Thr	Asp	Gly	Lys	Tyr	Lys	Ala	Phe	Ser
225					230					235				240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Gly
				245					250					255
Ser	Val	Tyr	Leu	Ser	Ser	Asp	Ala	Thr	Ser	Ser	Ser	Gly	Lys	Gly
			260					265					270	
Val	Ala	Ser	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro
			275				280					285		
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Ile	Lys	Lys	Ala	Leu	Lys	Thr
	290					295					300			
Gly	Arg	Ile	Leu	Leu	Leu	Lys								
305					310									

<210> 1522
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1522

Met	Lys	Pro	Glu	Asn	Gln	Thr	Asn	Ile	Leu	Glu	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Phe	Ser	Gln	Tyr	Pro	Glu	His	Gln	Pro	Met	Leu	Phe	Gly	Leu	Phe	Leu
			20					25					30		
Leu	Met	Phe	Val	Val	Ala	Val	Phe	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala
		35					40					45			
Val	Ser	Ile	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Ser	Asp	Ile	Gly	Phe	Ile	Ser	Thr	Thr	Ile	Pro	Lys
65					70					75				80	
Met	Leu	Val	Asn	Ile	Gln	Thr	Gln	Ser	Lys	Ser	Ile	Ser	Tyr	Ala	Glu
			85						90					95	
Cys	Ile	Thr	Gln	Ile	Tyr	Phe	Phe	Met	Leu	Phe	Gly	Gly	Met	Asp	Thr
			100					105					110		
Leu	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	His	Tyr	Ser	Val	Ile	Met	Asn	Pro	Gln	Leu	Ser	Gly	Leu	Leu
	130					135					140				

Val	Leu	Val	Ser	Trp	Phe	Ile	Ser	Phe	Ser	Tyr	Ser	Leu	Ile	Gln	Ser	145	150	155	160
Leu	Leu	Met	Leu	Arg	Leu	Ser	Phe	Cys	Thr	Asn	Gln	Ile	Ile	Lys	His	165	170	175	
Phe	Tyr	Cys	Glu	Tyr	Ser	Arg	Ala	Leu	Thr	Ile	Ala	Cys	Ser	Asp	Thr	180	185	190	
Leu	Ile	Asn	His	Ile	Leu	Leu	Tyr	Ile	Leu	Ile	Cys	Val	Leu	Gly	Phe	195	200	205	
Ile	Pro	Phe	Ser	Gly	Ile	Leu	Tyr	Ser	Tyr	Cys	Lys	Ile	Val	Ser	Ser	210	215	220	
Ile	Leu	Arg	Ile	Pro	Ser	Thr	Asp	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr	225	230	235	240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Gly	Leu	245	250	255	
Gly	Val	Tyr	Leu	Ser	Ser	Asp	Val	Thr	Ser	Ser	Ser	Gly	Lys	Asp	Val	260	265	270	
Val	Ala	Ser	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe	275	280	285	
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Ile	Lys	Lys	Ala	Leu	Lys	Thr	Leu	290	295	300	
Gly	Arg	Ile	Leu	Leu	Leu	Lys										305	310		

<210> 1523
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1523

Met	Gln	Asn	Gln	Ser	Leu	Val	Asn	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Ser	1	5	10	15
Gln	Asn	Thr	Lys	Val	Glu	Lys	Ile	Leu	Phe	Leu	Leu	Phe	Leu	Leu	Ile	20	25	30	
Tyr	Leu	Ala	Thr	Ile	Gly	Gly	Asn	Met	Ile	Ile	Val	Ala	Thr	Ile	Ile	35	40	45	
Tyr	Ser	Pro	Ala	Leu	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Val	Phe	50	55	60	
Leu	Ser	Leu	Leu	Asp	Ala	Cys	Thr	Ser	Thr	Val	Val	Thr	Pro	Lys	Met	65	70	75	80
Ile	Val	Gly	Phe	Phe	Tyr	Glu	Arg	Lys	Ile	Ile	Ser	Phe	Glu	Gly	Cys	85	90	95	
Met	Thr	Gln	Leu	Phe	Ala	Ile	His	Phe	Phe	Thr	Ala	Val	Glu	Val	Ile	100	105	110	
Val	Leu	Ser	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	115	120	125	
Leu	His	Tyr	Leu	Ser	Ile	Met	Ser	Lys	Arg	Val	Cys	Gly	Val	Leu	Val	130	135	140	
Gly	Ile	Ala	Trp	Ala	Gly	Gly	Phe	Leu	His	Ser	Ile	Ile	Gln	Ile	Val	145	150	155	160
Phe	Thr	Leu	Gln	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Tyr	165	170	175	
Met	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Thr	Asp	Thr	Gln	180	185	190	
Ile	Phe	Val	Ile	Leu	Val	Phe	Ala	Asn	Ser	Gly	Ser	Ile	Cys	Ile	Ile	195	200	205	
Ile	Phe	Ser	Leu	Leu	Leu	Val	Ser	Tyr	Gly	Val	Ile	Leu	Phe	Ser	Leu				

210	215	220
Arg Ala His Ser Ser Glu Gly Arg Tyr Lys Ala Leu Ser Thr Cys Gly		
225	230	235
Ser His Ile Thr Val Val Val Leu Phe Phe Val Pro Cys Ile Leu Ile		
	245	250
Tyr Ala Arg Pro Ser Ser Pro Phe Ser Phe Glu Lys Asn Thr Leu Ile		
	260	265
Phe Ala Asn Val Leu Thr Pro Leu Leu Asn Pro Met Val Tyr Thr Phe		
	275	280
Arg Asn Lys Glu Met Lys Ser Ala Ile Arg Lys Met Trp Lys Arg Leu		
	290	295
Val Val Val Ser Asp Lys Tyr		300
305	310	

<210> 1524
 <211> 304
 <212> PRT
 <213> Mus musculus

<400> 1524

Met Gln Asn Gln Ser Phe Val Thr Glu Phe Ile Leu Leu Gly Leu Ser		
1	5	10
Gln Asn Leu Asn Val Glu Lys Met Leu Phe Val Leu Phe Leu Phe Ile		
	20	25
Tyr Ile Ala Thr Ile Gly Gly Asn Met Met Ile Val Val Thr Ile Ile		
	35	40
Tyr Ser Pro Ala Leu Leu Gly Ser Pro Met Tyr Phe Phe Leu Ala Phe		
	50	55
Leu Ser Phe Leu Asp Ala Cys Thr Ser Ser Thr Val Thr Pro Lys Ile		
65	70	75
Ile Val Asp Cys Phe Tyr Glu Arg Lys Thr Ile Ser Phe Glu Cys Cys		
	85	90
Met Thr Gln Leu Phe Thr Val His Phe Phe Thr Gly Ala Glu Val Ile		
	100	105
Val Leu Ala Ser Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro		
	115	120
Leu His Tyr Ser Ser Ile Met Thr Gln Arg Leu Cys Gly Ile Leu Val		
	130	135
Val Val Ser Trp Ala Gly Gly Phe Leu His Ser Ile Ile Gln Ile Ile		
145	150	155
Phe Thr Leu Gln Leu Pro Leu Cys Gly Pro Asn Val Ile Asp His Tyr		
	165	170
Met Cys Asp Leu Phe Pro Leu Leu Lys Leu Ala Cys Thr Asp Thr His		
	180	185
Ile Tyr Val Leu Leu Ile Phe Ala Asn Ser Gly Ala Ile Cys Ile Ile		
	195	200
Ile Phe Ser Leu Leu Ile Val Ser Tyr Gly Val Ile Leu Phe Ser Leu		
	210	215
Arg Ala Gln Ser Ser Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Gly		
225	230	235
Ser His Ile Thr Val Val Leu Leu Phe Phe Val Pro Cys Ile Leu Ile		
	245	250
Tyr Ala Arg Pro Thr Ser Ala Phe Ser Phe Glu Lys Asn Met Leu Ile		
	260	265
Phe Val Asn Val Leu Thr Pro Leu Leu Asn Pro Met Val Tyr Thr Phe		
	275	280
		285

Arg	Asn	Lys	Glu	Met	Ile	Asn	Ala	Ile	Lys	Lys	Ile	Trp	Lys	Arg	Phe
290						295					300				

<210> 1525
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1525															
Met	Glu	Asn	Gln	Ser	Ile	Val	Asn	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Ser
1				5					10					15	
Gln	Asn	Pro	Lys	Ile	Glu	Asn	Ile	Leu	Phe	Val	Val	Phe	Leu	Leu	Val
			20					25					30		
Tyr	Leu	Ala	Thr	Ile	Gly	Gly	Asn	Met	Met	Ile	Ile	Ala	Thr	Ile	Ile
		35					40					45			
Tyr	Ser	Pro	Ala	Leu	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ile	Phe
	50					55					60				
Leu	Ser	Leu	Leu	Asp	Thr	Cys	Thr	Ser	Thr	Val	Val	Thr	Pro	Lys	Leu
65					70					75					80
Ile	Leu	Asp	Phe	Phe	Tyr	Glu	Arg	Lys	Thr	Ile	Ser	Phe	Glu	Gly	Cys
				85					90					95	
Met	Thr	Gln	Leu	Phe	Ala	Phe	His	Phe	Phe	Thr	Gly	Ala	Glu	Val	Ile
			100					105					110		
Val	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro
		115					120					125			
Leu	His	Tyr	Ser	Ser	Ile	Met	Thr	Trp	Arg	Leu	Cys	Gly	Val	Leu	Val
	130					135					140				
Gly	Val	Ala	Trp	Thr	Gly	Gly	Phe	Leu	His	Ser	Ile	Ile	Gln	Ile	Ile
145					150					155					160
Phe	Thr	Leu	Gln	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	Asn	Tyr
				165					170					175	
Ile	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Thr	Asp	Thr	His
			180					185					190		
Ile	Phe	Val	Phe	Leu	Val	Phe	Ala	Asn	Ser	Gly	Ser	Ile	Cys	Ile	Ile
		195					200					205			
Ile	Phe	Ser	Leu	Leu	Leu	Val	Ser	Tyr	Gly	Val	Ile	Leu	Phe	Ser	Leu
	210					215					220				
Arg	Gly	His	Ser	Ser	Glu	Gly	Arg	Leu	Lys	Ala	Leu	Ser	Thr	Cys	Gly
225					230					235					240
Ser	His	Ile	Thr	Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile	Leu	Ile
				245					250					255	
Tyr	Ala	Arg	Thr	Thr	Ser	Pro	Phe	Pro	Tyr	Glu	Lys	Tyr	Val	Ala	Ile
			260					265					270		
Phe	Val	Asn	Val	Ile	Thr	Pro	Leu	Leu	Asn	Pro	Met	Val	Tyr	Thr	Phe
		275					280					285			
Arg	Asn	Lys	Glu	Met	Lys	Asn	Ala	Ile	Arg	Lys	Met	Cys	Arg	Arg	Ser
	290					295						300			
Lys	Val	Val	Ser	Asp	Asn	Tyr									
305						310									

<210> 1526
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1526

Met	Gln	Asn	Gln	Ser	Phe	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Ser
1				5					10					15	
Gln	Asn	Leu	Tyr	Val	Glu	Lys	Ile	Leu	Phe	Val	Leu	Phe	Leu	Leu	Ile
		20						25					30		
Tyr	Leu	Ala	Thr	Ile	Gly	Gly	Asn	Met	Ile	Ile	Val	Val	Thr	Ile	Ile
	35						40					45			
Tyr	Ser	Pro	Ala	Leu	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ile	Phe
	50					55					60				
Leu	Ser	Leu	Leu	Asp	Ala	Leu	Thr	Ser	Ser	Thr	Val	Thr	Pro	Lys	Ile
65					70					75					80
Ile	Val	Asp	Cys	Phe	Tyr	Glu	Arg	Lys	Thr	Ile	Ser	Phe	Glu	Cys	Cys
				85					90					95	
Met	Thr	Gln	Leu	Phe	Thr	Val	His	Phe	Phe	Thr	Gly	Ala	Glu	Val	Ile
			100					105					110		
Val	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro
		115					120					125			
Leu	His	Tyr	Ser	Ser	Ile	Met	Thr	Arg	Arg	Leu	Cys	Gly	Ile	Leu	Val
	130					135					140				
Val	Val	Ser	Trp	Ala	Gly	Gly	Phe	Leu	His	Ser	Ile	Ile	Gln	Ile	Ile
145					150					155					160
Phe	Thr	Leu	Gln	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Tyr
			165					170					175		
Met	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Thr	Asp	Thr	His
		180						185					190		
Ile	Tyr	Val	Leu	Leu	Ile	Phe	Ala	Asn	Ser	Gly	Ala	Ile	Cys	Ile	Ile
	195					200					205				
Ile	Phe	Ser	Leu	Leu	Leu	Val	Ser	Tyr	Gly	Ile	Ile	Leu	Phe	Ser	Leu
	210					215				220					
Arg	Ala	His	Ser	Ser	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Gly
225					230					235					240
Ser	His	Ile	Ile	Val	Val	Leu	Leu	Cys	Phe	Val	Pro	Cys	Leu	Leu	Ile
			245						250				255		
Tyr	Ala	Arg	Pro	Thr	Ser	Ala	Phe	Ser	Phe	Glu	Lys	Asn	Met	Leu	Ile
		260					265						270		
Phe	Ile	Asn	Val	Leu	Thr	Pro	Leu	Leu	Asn	Pro	Met	Val	Tyr	Thr	Phe
		275				280					285				
Arg	Asn	Lys	Glu	Met	Lys	Asn	Ala	Ile	Arg	Lys	Met	Trp	Lys	Arg	Leu
	290					295					300				
Ile	Val	Val	Ser	Asp	Lys	Phe									
305					310										

<210> 1527

<211> 311

<212> PRT

<213> Mus musculus

<400> 1527

Met	Gln	Asn	Gln	Thr	Leu	Val	Thr	Glu	Phe	Leu	Leu	Leu	Gly	Leu	Ser
1				5					10					15	
Gln	Asn	Pro	Lys	Val	Gln	Lys	Ile	Val	Phe	Val	Val	Phe	Leu	Phe	Ile
		20						25					30		
Tyr	Ile	Ala	Thr	Val	Gly	Gly	Asn	Met	Ile	Ile	Val	Val	Thr	Ile	Ile
	35						40					45			
Cys	Ser	Arg	Ala	Leu	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Cys
	50					55					60				

Leu	Ser	Phe	Leu	Asp	Ala	Cys	Ile	Ser	Ser	Val	Ile	Thr	Pro	Lys	Val
65					70					75					80
Thr	Val	Asp	Leu	Leu	Tyr	Glu	Lys	Arg	Thr	Ile	Ser	Phe	Glu	Gly	Cys
			85						90					95	
Met	Ala	Gln	Val	Phe	Ala	Val	His	Phe	Phe	Thr	Gly	Val	Glu	Val	Ile
			100					105					110		
Val	Leu	Ile	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro
		115					120					125			
Leu	Tyr	Tyr	Ser	Ser	Ile	Met	Asn	Arg	Arg	Leu	Cys	Gly	Ile	Leu	Met
	130					135					140				
Gly	Met	Ala	Trp	Thr	Gly	Gly	Phe	Leu	His	Ser	Thr	Ile	Gln	Ile	Ile
145					150					155					160
Phe	Ile	Leu	Cys	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Phe
			165					170						175	
Leu	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Thr	Asp	Thr	His
		180						185					190		
Ile	Phe	Val	Ile	Leu	Val	Phe	Ala	Asn	Ser	Gly	Ser	Phe	Cys	Ile	Ile
	195						200					205			
Ile	Phe	Ser	Leu	Leu	Leu	Ile	Ser	Tyr	Gly	Val	Ile	Leu	Phe	Ser	Leu
	210					215					220				
Arg	Thr	His	Ser	Thr	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Gly
225					230					235					240
Ser	His	Ile	Thr	Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile	Ile	Ile
			245					250						255	
Tyr	Ala	Arg	Pro	Thr	Ser	Ala	Phe	Phe	Ser	Glu	Lys	Asn	Met	Phe	Leu
		260					265						270		
Phe	Ala	Thr	Ile	Leu	Thr	Pro	Leu	Leu	Asn	Pro	Met	Ile	Tyr	Thr	Phe
		275					280					285			
Arg	Asn	Lys	Glu	Met	Lys	Asn	Ala	Ile	Arg	Lys	Ile	Trp	Lys	Lys	Leu
	290					295					300				
Ile	Leu	Asp	Tyr	Gly	Ile	Ser									
305					310										

<210> 1528
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1528

Met	His	Asn	Gln	Ser	Tyr	Val	Asn	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Ser
1				5					10					15	
Gln	Asn	Pro	Gln	Ile	Glu	Lys	Ile	Ser	Phe	Phe	Ile	Phe	Leu	Leu	Val
		20						25					30		
Tyr	Leu	Ala	Thr	Leu	Val	Gly	Asn	Met	Ile	Ile	Val	Val	Thr	Ile	Val
	35					40						45			
Tyr	Ser	Pro	Ala	Leu	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Phe
	50					55				60					
Leu	Ser	Phe	Leu	Asp	Ala	Cys	Val	Ser	Ser	Val	Val	Thr	Pro	Lys	Met
65				70						75					80
Ile	Ala	Asp	Met	Thr	Tyr	Glu	Arg	Lys	Ile	Ile	Ser	Phe	Glu	Cys	Cys
			85					90					95		
Met	Thr	Gln	Val	Phe	Ala	Val	His	Phe	Leu	Thr	Ala	Val	Glu	Val	Ile
		100						105					110		
Val	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro
		115					120					125			
Leu	His	Tyr	Ser	Phe	Ile	Met	Asn	Arg	Arg	Leu	Cys	Gly	Thr	Leu	Val

130		135		140
Gly Val Ala Trp Ala	Gly Gly Phe Leu His Ser	Ile Ile Gln Ile Ala		
145	150	155	160	
Phe Thr Leu Lys Leu	Pro Phe Cys Gly Pro Asn Val	Ile Asp His Phe		
	165	170	175	
Ile Cys Asp Leu Phe	Pro Leu Leu Lys Leu Ala Cys Thr	Asp Ile His		
	180	185	190	
Ile Phe Ile Ile Leu Val	Phe Ala Asn Ser Gly Ser	Ile Cys Ile Ile		
	195	200	205	
Ile Phe Ser Phe Leu Leu	Ile Ser Tyr Gly Val	Ile Leu Phe Ser Leu		
	210	215	220	
Arg Ala His Ser Ser	Glu Gly Arg Arg Lys Ala	Leu Ser Thr Cys Gly		
225	230	235	240	
Ser His Ile Thr Val	Val Val Phe Phe Phe Val	Pro Cys Ile Leu Ile		
	245	250	255	
Tyr Ala Arg Pro Thr	Ser Ala Phe Ser Phe Glu Lys Asn	Val Phe Val		
	260	265	270	
Phe Thr Asp Val Leu Thr	Pro Leu Leu Asn Pro Met	Val Tyr Thr Phe		
	275	280	285	
Arg Asn Lys Glu Met Ile	Asn Ala Ile Gly Lys Met	Arg Lys Arg Leu		
	290	295	300	
Ile Met Val Pro Asp	Lys Tyr			
305	310			

<210> 1529
 <211> 307
 <212> PRT
 <213> Mus musculus

<400> 1529

Met Gln Gln Asn Ser Thr Val Thr Glu Phe Ile Leu Leu Gly Leu Thr	
1 5 10 15	
Gln Asp Pro Leu Lys Gln Lys Met Val Phe Ile Ile Phe Leu Val Phe	
20 25 30	
Tyr Met Gly Thr Val Val Gly Asn Thr Leu Ile Ile Val Thr Ile Lys	
35 40 45	
Phe Ser Arg Thr Leu Gly Gly Pro Met Tyr Phe Phe Leu Phe Tyr Leu	
50 55 60	
Ser Phe Ala Asp Ser Cys Phe Ser Thr Ser Thr Ala Pro Arg Leu Ile	
65 70 75 80	
Val Asp Ala Leu Ser Lys Lys Asn Ile Ile Ser Tyr Asn Glu Cys Met	
85 90 95	
Thr Gln Val Phe Ala Leu His Leu Phe Gly Cys Met Glu Val Phe Val	
100 105 110	
Leu Ile Phe Met Ala Val Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu	
115 120 125	
His Tyr Pro Val Ile Met Arg Arg Gln Val Cys Val Ile Leu Ile Ile	
130 135 140	
Val Ala Trp Ile Gly Ser Phe Leu His Ser Thr Thr Gln Ile Val Leu	
145 150 155 160	
Ala Leu Arg Leu Pro Phe Cys Gly Pro Asn Leu Ile Asp His Tyr Cys	
165 170 175	
Cys Asp Leu Gln Pro Leu Leu Glu Leu Ala Cys Met Asp Thr His Met	
180 185 190	
Ile Asn Leu Leu Leu Val Phe Asn Ser Gly Ala Ile Cys Ser Ser Ser	
195 200 205	

Phe Leu Ile Phe Ile Ile Ser Tyr Phe Val Ile Leu Tyr Ser Leu Arg
 210 215 220
 Asn His Ser Ala Glu Gly Arg Lys Lys Ala Leu Ser Thr Cys Thr Ser
 225 230 235 240
 His Ile Ile Val Val Val Leu Ser Phe Gly Pro Cys Ile Phe Ile Tyr
 245 250 255
 Ala Arg Pro Pro Thr Thr Phe Ser Met Asp Lys Met Val Thr Val Phe
 260 265 270
 Phe Thr Ile Gly Ser Pro Phe Leu Asn Pro Ile Ile Tyr Thr Leu Arg
 275 280 285
 Asn Ala Glu Val Lys Asn Ala Met Lys Lys Leu Trp His Val Lys Ile
 290 295 300
 Met Thr Glu
 305

<210> 1530
 <211> 307
 <212> PRT
 <213> Mus musculus

<400> 1530

Met Gln Gln Asn Ser Thr Val Thr Glu Phe Ile Leu Leu Gly Leu Thr
 1 5 10 15
 Gln Asp Pro Leu Lys Gln Lys Met Val Phe Ile Ile Phe Leu Val Phe
 20 25 30
 Tyr Leu Gly Thr Val Val Gly Asn Thr Leu Ile Ile Val Thr Ile Lys
 35 40 45
 Phe Ser Arg Thr Leu Gly Ser Pro Met Tyr Phe Phe Leu Phe Tyr Leu
 50 55 60
 Ser Phe Ser Asp Ser Cys Phe Ser Thr Ser Thr Ala Pro Arg Leu Ile
 65 70 75 80
 Val Asp Ala Leu Ser Lys Lys Asn Ile Ile Ser Tyr Asn Glu Cys Met
 85 90 95
 Thr Gln Val Phe Ala Leu His Leu Phe Gly Cys Met Asp Val Phe Ile
 100 105 110
 Leu Ile Phe Met Ala Val Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu
 115 120 125
 Arg Tyr Ser Val Ile Met Arg Arg Gln Val Cys Val Ile Leu Ile Ile
 130 135 140
 Val Ala Trp Ile Gly Ser Phe Leu His Ser Thr Thr Gln Ile Val Leu
 145 150 155 160
 Ala Leu Arg Leu Pro Phe Cys Gly Pro Asn Leu Ile Asp His Tyr Cys
 165 170 175
 Cys Asp Leu Gln Pro Leu Leu Lys Leu Ala Cys Met Asp Thr Tyr Met
 180 185 190
 Ile Asn Leu Leu Leu Val Phe Asn Ser Gly Ala Ile Cys Ser Ser Ser
 195 200 205
 Phe Val Ile Leu Ile Ile Ser Tyr Phe Val Ile Leu His Ser Leu Arg
 210 215 220
 Asn His Ser Ala Glu Gly Arg Lys Lys Ala Leu Ser Thr Cys Thr Ser
 225 230 235 240
 His Ile Ile Val Val Ile Leu Ser Phe Val Pro Cys Ile Phe Ile Tyr
 245 250 255
 Ala Arg Pro Pro Thr Thr Phe Pro Met Asp Lys Met Val Thr Val Phe
 260 265 270
 Tyr Thr Ile Gly Thr Pro Phe Leu Asn Pro Ile Ile Tyr Thr Leu Arg

275	280	285
Asn Ala Glu Val Lys Asn Ala Met Lys Lys Leu Trp His Val Lys Phe		
290	295	300
Ile Met Lys		
305		

<210> 1531
 <211> 307
 <212> PRT
 <213> Mus musculus

<400> 1531

Met	Gln	His	Asn	Ser	Thr	Val	Thr	Lys	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Gln	Asp	Pro	Leu	Lys	Gln	Lys	Met	Val	Phe	Ile	Ile	Phe	Leu	Val	Phe
			20					25					30		
Tyr	Leu	Gly	Thr	Val	Val	Gly	Asn	Thr	Leu	Ile	Ile	Met	Thr	Ile	Lys
		35					40					45			
Phe	Ser	Arg	Thr	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Phe	Tyr	Leu
	50					55					60				
Ser	Phe	Ala	Asp	Ser	Cys	Phe	Ser	Thr	Ser	Thr	Ala	Pro	Arg	Leu	Ile
65					70					75					80
Val	Asp	Ala	Leu	Ser	Lys	Lys	Asn	Ile	Ile	Ser	Tyr	Asn	Glu	Cys	Met
				85					90					95	
Thr	Gln	Val	Phe	Ala	Leu	His	Leu	Phe	Gly	Cys	Met	Glu	Ile	Phe	Val
			100					105					110		
Leu	Ile	Leu	Met	Ala	Val	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
Arg	Tyr	Pro	Val	Ile	Met	Ser	Arg	Gln	Val	Cys	Val	Ile	Leu	Ile	Ile
	130					135					140				
Leu	Ala	Trp	Ile	Gly	Ser	Phe	Ile	His	Ser	Thr	Ala	Gln	Ile	Val	Leu
145					150					155					160
Ala	Leu	Arg	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Leu	Ile	Asp	His	Tyr	Cys
				165					170					175	
Cys	Asp	Leu	Gln	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Met	Asp	Thr	Tyr	Met
			180					185				190			
Ile	Asn	Leu	Leu	Leu	Val	Ser	Asn	Ser	Gly	Ala	Ile	Cys	Ser	Ser	Ser
	195						200					205			
Phe	Val	Ile	Leu	Ile	Ile	Ser	Tyr	Phe	Val	Ile	Leu	His	Ser	Leu	Arg
	210					215					220				
Asn	His	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala	Leu	Ser	Thr	Cys	Thr	Ser
225					230					235					240
His	Ile	Ile	Val	Val	Ile	Leu	Phe	Phe	Gly	Pro	Cys	Ile	Phe	Ile	Tyr
				245					250					255	
Ala	Arg	Pro	Pro	Thr	Thr	Phe	Ser	Met	Asp	Lys	Met	Val	Ala	Val	Phe
			260					265					270		
Tyr	Thr	Ile	Gly	Thr	Pro	Phe	Leu	Asn	Pro	Ile	Ile	Tyr	Thr	Leu	Arg
	275						280					285			
Asn	Ala	Glu	Val	Lys	Asn	Ala	Met	Lys	Lys	Leu	Trp	His	Val	Lys	Ile
	290					295					300				
Met	Asn	Glu													
305															

<210> 1532
 <211> 311

<212> PRT
<213> Mus musculus

<400> 1532

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Met Gln Asn Gln Ser Val Thr Glu Phe Ile Ile Leu Gly Leu Ser
 1          5          10          15
Gln Asn Pro Lys Ile Glu Lys Ile Leu Phe Val Val Phe Leu Leu Val
 20          25          30
Tyr Met Ala Thr Val Gly Gly Asn Met Ile Ile Val Val Thr Ile Ile
 35          40          45
Tyr Ser Pro Ala Leu Leu Ser Ser Pro Met Tyr Phe Phe Leu Ala Phe
 50          55          60
Leu Ser Phe Leu Asp Ala Cys Val Ser Ser Thr Val Thr Pro Lys Met
 65          70          75          80
Val Val Asp Phe Leu His Glu Lys Lys Thr Ile Ser Phe Gly Cys Cys
 85          90          95
Met Thr Gln Leu Phe Ser Val His Phe Phe Ser Gly Ala Glu Met Ile
100          105          110
Val Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro
115          120          125
Leu His Tyr Ser Ser Ile Leu Thr Arg Arg Leu Cys Ser Ile Leu Val
130          135          140
Ala Ile Ser Trp Ala Gly Gly Phe Leu His Ala Ile Val Gln Val Ile
145          150          155          160
Phe Arg Leu Gln Leu Pro Leu Cys Gly Pro Asn Val Ile Asp His Tyr
165          170          175
Met Cys Asp Leu Phe Pro Leu Leu Lys Leu Ala Cys Thr Asp Thr His
180          185          190
Ile Phe Val Leu Leu Val Phe Ala Asn Ser Gly Ala Ile Cys Ile Ile
195          200          205
Ile Phe Ser Leu Leu Leu Val Ser Tyr Gly Val Ile Leu Phe Ser Leu
210          215          220
Arg Ala His Ser Ser Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Gly
225          230          235          240
Ala His Val Thr Val Val Val Leu Phe Leu Val Pro Cys Ile Leu Ile
245          250          255
Tyr Ala Arg Asp Thr Ser Ala Phe Ser Tyr Glu Lys Asp Thr Leu Ile
260          265          270
Phe Val Asn Val Leu Thr Pro Leu Leu Asn Pro Met Val Tyr Thr Phe
275          280          285
Arg Asn Lys Glu Met Ile Asn Ala Ile Arg Lys Met Trp Lys Arg Leu
290          295          300
Ile Val Ile Phe Val Arg Tyr
305          310
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<210> 1533
<211> 311
<212> PRT
<213> Mus musculus

<400> 1533

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Met Leu Asn Gln Ser Phe Val Thr Glu Phe Ile Leu Leu Gly Leu Ser
 1          5          10          15
Gln Asn Pro Lys Val Glu Lys Ile Leu Phe Val Leu Phe Phe Leu Val
 20          25          30
Tyr Leu Ala Thr Ile Gly Gly Asn Ile Val Ile Val Val Thr Ile Leu
```


Val	Leu	Ser	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro
	115						120					125			
Leu	His	Tyr	Ser	Ser	Ile	Met	Asn	Arg	Arg	Leu	Cys	Gly	Asn	Leu	Val
	130					135					140				
Met	Val	Ser	Trp	Ala	Gly	Gly	Phe	Leu	His	Ser	Ile	Ile	Gln	Ile	Ile
145					150					155					160
Phe	Met	Leu	Gln	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Tyr
			165						170					175	
Met	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Thr	Asp	Thr	Tyr
		180						185					190		
Ile	Phe	Val	Ile	Leu	Val	Phe	Ala	Asn	Ser	Gly	Ser	Ile	Cys	Ile	Ile
	195						200					205			
Ile	Phe	Ser	Ile	Leu	Leu	Val	Ser	Tyr	Gly	Val	Ile	Leu	Tyr	Ser	Leu
	210					215					220				
Lys	Ala	His	Ser	Ser	Glu	Gly	Lys	Phe	Lys	Ala	Leu	Ser	Thr	Cys	Gly
225					230					235					240
Ser	His	Ile	Ile	Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile	Leu	Thr
				245					250					255	
Tyr	Ala	Arg	Pro	Ile	Ser	Ala	Phe	Ser	Phe	Glu	Lys	Asn	Ala	Val	Val
		260					265						270		
Phe	Thr	Thr	Val	Leu	Thr	Pro	Leu	Leu	Asn	Ser	Val	Val	Tyr	Thr	Phe
		275				280						285			
Arg	Asn	Lys	Glu	Met	Lys	Asn	Ala	Ile	Arg	Lys	Met	Trp	Lys	Lys	Leu
	290					295					300				
Ile	Ala	Val	Ser	Asp	Lys	His									
305					310										

<210> 1535
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1535

Met	Thr	Ala	Arg	Asn	Met	Thr	Thr	Met	Ser	Gly	Phe	Leu	Leu	Met	Gly
1				5				10						15	
Phe	Ser	Asp	Asn	His	Glu	Leu	Gln	Ile	Leu	Gln	Ala	Leu	Leu	Phe	Leu
		20					25						30		
Leu	Thr	Tyr	Leu	Leu	Gly	Ser	Ala	Gly	Asn	Phe	Ile	Ile	Ile	Thr	Ile
	35				40						45				
Thr	Thr	Leu	Asp	Pro	Gln	Leu	Gln	Ser	Pro	Met	Tyr	Tyr	Phe	Leu	Lys
	50				55					60					
Gln	Leu	Ser	Thr	Leu	Asp	Leu	Ser	Ser	Leu	Ser	Val	Thr	Val	Pro	Gln
65				70					75					80	
Tyr	Val	Ala	Ser	Ser	Leu	Ala	Arg	Ser	Gly	Tyr	Ile	Ser	Tyr	Gly	Gln
			85					90						95	
Cys	Met	Leu	Gln	Ile	Phe	Phe	Phe	Thr	Gly	Leu	Ala	Trp	Ser	Glu	Met
		100					105						110		
Ala	Thr	Leu	Thr	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Leu
	115					120						125			
Pro	Leu	His	Tyr	Glu	Val	Ile	Met	Ser	Pro	Arg	Lys	Cys	Thr	Trp	Ala
	130					135					140				
Val	Ala	Ala	Val	Trp	Leu	Ser	Gly	Gly	Ile	Ser	Gly	Thr	Leu	Phe	Thr
145					150				155						160
Ala	Ser	Thr	Leu	Ser	Ile	Arg	Phe	Cys	Gly	Asp	Lys	Ile	Ile	His	Gln
			165					170					175		
Phe	Phe	Cys	Asp	Ile	Pro	Gln	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asn	Asp

			180					185				190					
Tyr	Phe	Gly	Val	Leu	Glu	Val	Ser	Thr	Phe	Met	Ser	Val	Met	Ala	Phe		
		195					200					205					
Ala	Cys	Phe	Val	Gly	Ile	Ala	Phe	Ser	Tyr	Gly	Gln	Ile	Phe	Ser	Thr		
	210					215					220						
Val	Leu	Arg	Met	Pro	Ser	Ala	Glu	Gly	Arg	Ser	Lys	Val	Phe	Ser	Thr		
225					230					235					240		
Cys	Leu	Pro	His	Leu	Phe	Val	Val	Ser	Phe	Phe	Leu	Ser	Thr	Gly	Ile		
			245						250					255			
Cys	Ala	Tyr	Leu	Lys	Pro	Thr	Ser	Asp	Ser	Pro	Thr	Ala	Leu	Asp	Leu		
		260					265					270					
Met	Leu	Ser	Ile	Phe	Tyr	Thr	Leu	Leu	Pro	Pro	Thr	Leu	Asn	Pro	Val		
	275						280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Glu	Ser	Leu	Lys	Arg	Ala	Leu	Lys	Lys	Leu		
	290				295					300							
Leu	Leu	Ser	Glu	Glu	Phe	Ile	Arg	Lys	Lys	Cys	Leu	Phe	Tyr	Phe			
305					310					315							

<210> 1536
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1536

Met	Ser	Lys	Met	Asp	Gly	Gly	Asn	His	Ser	Leu	Val	Ser	Glu	Phe	Val		
1			5				10						15				
Leu	Leu	Gly	Leu	Ala	His	Ser	Gln	Asn	Ile	Gln	Ala	Leu	Leu	Phe	Met		
		20					25					30					
Ile	Phe	Leu	Met	Leu	Tyr	Leu	Leu	Ile	Val	Ser	Gly	Asn	Ile	Val	Ile		
	35					40					45						
Met	Val	Leu	Ile	Thr	Thr	Asp	Pro	His	Leu	His	Ser	Pro	Met	Tyr	Phe		
	50				55					60							
Leu	Leu	Ala	Asn	Leu	Ser	Phe	Val	Asp	Met	Trp	Leu	Ser	Ser	Val	Thr		
65			70						75					80			
Thr	Pro	Lys	Met	Ile	Thr	Asp	Phe	Phe	Arg	Glu	Asn	Lys	Thr	Ile	Ser		
			85				90						95				
Phe	Ser	Gly	Cys	Met	Ser	Gln	Val	Phe	Phe	Ala	His	Cys	Ile	Ala	Ala		
		100					105					110					
Gly	Glu	Met	Val	Leu	Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala		
	115					120					125						
Ile	Cys	Lys	Pro	Leu	His	Tyr	Phe	Thr	Ile	Met	Asn	Leu	Lys	Arg	Cys		
	130				135					140							
Thr	Gly	Leu	Val	Leu	Thr	Ser	Trp	Thr	Ile	Gly	Phe	Val	His	Ala	Leu		
145				150					155						160		
Ser	His	Leu	Val	Val	Ile	Val	Glu	Leu	Pro	Phe	Cys	Ser	Ala	Lys	Glu		
			165				170							175			
Ile	Asp	Ser	Phe	Phe	Cys	Asp	Met	Pro	Leu	Val	Ile	Lys	Leu	Ala	Cys		
	180						185					190					
Met	Asp	Ser	His	Asn	Leu	Asp	Ile	Leu	Met	Tyr	Ala	Asp	Cys	Gly	Val		
	195					200					205						
Val	Gly	Val	Thr	Cys	Phe	Ile	Leu	Leu	Leu	Ile	Ser	Tyr	Thr	Tyr	Ile		
	210					215				220							
Leu	Ile	Thr	Val	Arg	Arg	Ser	Ser	Lys	Ala	Gly	Ala	Ser	Lys	Ala	Leu		
225				230					235					240			
Ser	Thr	Cys	Thr	Ala	His	Ile	Thr	Val	Val	Met	Ile	Phe	Phe	Val	Pro		
			245					250						255			

<210> 1538
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1538
 Met Asp Gly Ser Asn Arg Ser Leu Val Ser Glu Phe Val Leu Leu Gly
 1 5 10 15
 Leu Ala Arg Ser Gln Asn Leu Gln Val Leu Leu Phe Ile Ile Phe Leu
 20 25 30
 Val Val Tyr Leu Leu Ile Leu Ser Gly Asn Thr Ile Val Met Phe Leu
 35 40 45
 Ile Ile Thr Asp Lys Asn Leu His Ser Pro Met Tyr Phe Phe Leu Ala
 50 55 60
 Asn Leu Ser Phe Val Asp Met Trp Leu Ser Ser Ala Thr Thr Pro Lys
 65 70 75 80
 Met Ile Thr Asp Phe Leu Lys Glu Pro Lys Ile Ile Ser Phe Ala Gly
 85 90 95
 Cys Met Ser Gln Val Phe Phe Asp His Cys Val Gly Ala Val Glu Met
 100 105 110
 Leu Leu Leu Val Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys
 115 120 125
 Pro Leu His Tyr Phe Thr Ile Met Ser Leu Lys Arg Cys Ala Gly Leu
 130 135 140
 Val Leu Thr Ser Trp Ala Ile Ala Phe Val His Ala Met Ser Gln Leu
 145 150 155 160
 Leu Ala Val Val Gln Leu Pro Leu Cys Gly His Met Glu Ile Asp Ser
 165 170 175
 Phe Phe Cys Asp Ile Pro Leu Ile Ile Lys Leu Ala Cys Met Asp Ser
 180 185 190
 His Ile Leu Asp Ile Tyr Met Asn Val Asp Cys Gly Phe Val Val Val
 195 200 205
 Thr Cys Phe Ile Leu Leu Leu Ile Ser Tyr Thr Tyr Ile Leu Leu Thr
 210 215 220
 Val Arg Gln Ser Ser Lys Ala Gly Ala Ser Lys Ala Leu Ser Thr Cys
 225 230 235 240
 Thr Ala His Ile Thr Val Val Met Ile Phe Phe Val Pro Cys Ile Phe
 245 250 255
 Ile Tyr Val Trp Pro Leu Ser Ile Thr Trp Leu Asp Lys Phe Leu Ala
 260 265 270
 Val Phe Tyr Thr Val Phe Ala Pro Leu Leu Asn Pro Ala Ile Tyr Thr
 275 280 285
 Leu Arg Asn Lys Glu Met Arg Asn Ala Val Lys Lys Leu Lys Asn His
 290 295 300
 Phe Met Asp Tyr Lys Gly Asn Thr
 305 310

<210> 1539
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1539
 Met Asp Arg Asp Asn Gln Thr Val Leu Ser Glu Phe Val Leu Leu Gly
 1 5 10 15

Leu Ser Asn Ser Lys Asn Leu Gln Val Leu Leu Phe Leu Ile Phe Leu
 20 25 30
 Leu Leu Tyr Leu Leu Ile Met Ser Gly Asn Ile Ile Ile Gln Ile Leu
 35 40 45
 Ile Thr Thr Asp Pro His Leu His Ser Pro Met Tyr Phe Leu Leu Ala
 50 55 60
 Asn Leu Ser Phe Val Asp Met Trp Leu Ser Ser Asn Thr Thr Pro Lys
 65 70 75 80
 Met Ile Ile Asp Phe Leu Ser Glu Asn Lys Thr Ile Ser Phe Ala Gly
 85 90 95
 Cys Met Ser Gln Val Phe Leu Ser His Cys Ile Ala Gly Gly Glu Met
 100 105 110
 Val Leu Leu Val Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys
 115 120 125
 Pro Leu His Tyr Phe Thr Ile Met Asn Leu Lys Arg Cys Thr Gly Leu
 130 135 140
 Val Leu Thr Ser Trp Thr Ile Gly Phe Ile His Gly Ile Ser Tyr Phe
 145 150 155 160
 Leu Val Val Val Gln Leu Pro Phe Cys Gly Pro Asn Lys Ile Asp Ser
 165 170 175
 Phe Phe Cys Asp Met Pro Leu Val Ile Lys Leu Ala Cys Met Asp Ser
 180 185 190
 His Asp Leu Asn Thr Leu Met Asn Ala Glu Cys Gly Val Val Ala Val
 195 200 205
 Thr Cys Phe Met Leu Leu Leu Phe Ser Tyr Thr Tyr Ile Leu Ile Thr
 210 215 220
 Val Arg Gln Thr Ser Lys Asn Gly Ala Ser Lys Ala Leu Ser Thr Cys
 225 230 235 240
 Thr Ala His Ile Thr Val Val Met Ile Phe Phe Leu Pro Cys Met Phe
 245 250 255
 Ile Tyr Val Trp Pro Leu Ser Ile Thr Trp Leu Asp Lys Phe Leu Ala
 260 265 270
 Val Phe Tyr Ser Val Phe Thr Pro Leu Leu Asn Pro Ala Ile Tyr Thr
 275 280 285
 Leu Arg Asn Lys Glu Met Lys Asn Ala Met Lys Arg Phe Ile Gly Lys
 290 295 300
 Phe Leu Cys Pro Lys Gly Asn Ser
 305 310

<210> 1540
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1540
 Met Asp Gly Asp Asn Gln Thr Val Val Ser Glu Phe Ile Leu Trp Gly
 1 5 10 15
 Leu Ala His Ser Lys Asn Ile Gln Val Leu Leu Phe Val Ile Phe Leu
 20 25 30
 Met Leu Tyr Leu Leu Ile Met Ser Gly Asn Ile Val Ile Leu Thr Leu
 35 40 45
 Ile Thr Thr Asp Thr His Leu His Ser Pro Met Tyr Phe Leu Leu Ala
 50 55 60
 Asn Leu Ser Phe Val Asp Met Trp Leu Ser Thr Asn Thr Thr Pro Lys
 65 70 75 80
 Met Ile Thr Asp Phe Leu Arg Glu Ile Lys Ile Ile Ser Phe Ala Gly

Gln	Leu	Pro	Leu	Cys	Gly	Pro	Leu	Glu	Ile	Asp	Ser	Phe	Phe	Cys	Asp	
				165					170					175		
Met	Pro	Leu	Val	Ile	Lys	Leu	Ala	Cys	Thr	Asp	Ser	His	Asp	Leu	Asp	
			180					185					190			
Ile	Leu	Met	Asn	Ala	Asp	Cys	Gly	Ile	Val	Val	Val	Ser	Cys	Phe	Ile	
		195					200					205				
Met	Leu	Leu	Ile	Ser	Tyr	Thr	Tyr	Ile	Leu	Ile	Thr	Val	Arg	Arg	Ser	
	210					215					220					
Ser	Lys	Ala	Gly	Ala	Ser	Lys	Ala	Leu	Ser	Thr	Cys	Thr	Ala	His	Ile	
225					230					235					240	
Thr	Val	Val	Met	Leu	Leu	Phe	Leu	Pro	Cys	Ile	Phe	Ile	Tyr	Val	Trp	
			245						250					255		
Pro	Leu	Asn	Ile	Thr	Trp	Leu	Asp	Lys	Phe	Leu	Ala	Val	Phe	Tyr	Ser	
		260						265					270			
Val	Val	Thr	Pro	Leu	Leu	Asn	Pro	Ala	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	
		275					280					285				
Glu	Ile	Lys	Asn	Ala	Leu	Lys	Arg	Phe	Lys	Ser	Tyr	Val	Met	Asn	His	
	290					295					300					
Lys	Val	Asn	Thr													
305																

<210> 1542
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1542

Met	Thr	Ala	Glu	Asn	Gln	Ser	Thr	Val	Thr	Glu	Phe	Ile	Leu	Gly	Gly	
1				5					10					15		
Leu	Thr	Asn	Arg	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Leu	
		20						25					30			
Gly	Ile	Tyr	Val	Val	Thr	Met	Val	Gly	Asn	Leu	Gly	Met	Ile	Thr	Leu	
	35					40					45					
Ile	Gly	Leu	Asn	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	
	50				55						60					
Asn	Leu	Ser	Leu	Val	Asp	Leu	Cys	Tyr	Ser	Ser	Val	Ile	Thr	Pro	Lys	
65					70				75						80	
Met	Leu	Ile	Asn	Phe	Val	Ser	Gln	Arg	Asn	Leu	Ile	Ser	Tyr	Val	Gly	
			85						90					95		
Cys	Met	Ser	Gln	Leu	Tyr	Phe	Phe	Leu	Val	Phe	Val	Ile	Ala	Glu	Cys	
		100						105					110			
Tyr	Met	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Gln	
	115					120						125				
Pro	Leu	Leu	Tyr	Asn	Ile	Ile	Met	Ser	Pro	Ala	Leu	Cys	Ser	Leu	Leu	
	130				135						140					
Val	Ala	Phe	Val	Tyr	Ala	Val	Gly	Leu	Ile	Gly	Ser	Ala	Ile	Glu	Thr	
145					150					155					160	
Gly	Leu	Met	Leu	Lys	Leu	Asn	Tyr	Cys	Glu	Asp	Leu	Ile	Ser	His	Tyr	
			165						170					175		
Phe	Cys	Asp	Ile	Leu	Pro	Leu	Met	Lys	Leu	Ser	Cys	Ser	Ser	Thr	Tyr	
		180						185					190			
Asp	Val	Glu	Met	Ala	Val	Phe	Phe	Leu	Ala	Gly	Phe	Asp	Ile	Ile	Val	
	195					200						205				
Thr	Ser	Leu	Thr	Val	Leu	Ile	Ser	Tyr	Ala	Phe	Ile	Leu	Ser	Ser	Ile	
	210				215						220					
Leu	Arg	Ile	Ser	Ser	Asn	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr	Cys	

225					230					235				240
Ser	Ser	His	Phe	Ala	Ala	Val	Gly	Leu	Phe	Tyr	Gly	Ser	Thr	Ala
				245					250					255
Met	Tyr	Leu	Lys	Pro	Ser	Thr	Ala	Ser	Ser	Leu	Ala	Gln	Glu	Asn
			260					265					270	
Ala	Ser	Val	Phe	Tyr	Thr	Thr	Val	Ile	Pro	Met	Phe	Asn	Pro	Leu
		275					280					285		
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Thr	Ala	Leu	Asp	Lys	Thr
	290					295					300			
Arg	Arg	Lys	Val	Phe										
305														

<210> 1543
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1543

Met	Ala	Ala	Glu	Asn	Gln	Ser	Thr	Val	Thr	Glu	Phe	Ile	Leu	Arg	Gly
1				5					10					15	
Leu	Thr	Asn	Arg	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Leu	Leu	Leu	Phe	Leu
		20						25					30		
Gly	Ile	Tyr	Ile	Ile	Thr	Met	Val	Gly	Asn	Leu	Gly	Met	Ile	Thr	Leu
	35					40						45			
Ile	Gly	Leu	Asn	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Leu	Val	Asp	Leu	Cys	Tyr	Ser	Ser	Val	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Ile	Asn	Phe	Val	Ser	Gln	Arg	Asn	Leu	Ile	Ser	Tyr	Val	Gly
			85						90					95	
Cys	Met	Ser	Gln	Leu	Tyr	Phe	Phe	Leu	Val	Phe	Val	Ile	Ala	Glu	Cys
			100					105					110		
Tyr	Met	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Gln
	115					120						125			
Pro	Leu	Leu	Tyr	Asn	Ile	Ile	Met	Ser	Pro	Ala	Leu	Cys	Ser	Leu	Leu
	130					135					140				
Val	Val	Phe	Val	Tyr	Ala	Met	Gly	Leu	Ile	Gly	Ser	Thr	Ile	Glu	Thr
145					150					155					160
Ser	Leu	Met	Leu	Lys	Leu	Asn	Tyr	Cys	Glu	Asp	Leu	Ile	Ser	His	Tyr
			165						170					175	
Phe	Cys	Asp	Ile	Leu	Pro	Leu	Met	Lys	Leu	Ser	Cys	Ser	Ser	Thr	Tyr
		180						185					190		
Asp	Ile	Glu	Met	Ala	Val	Phe	Phe	Leu	Ala	Gly	Phe	Asn	Ile	Ile	Val
	195						200					205			
Thr	Ser	Leu	Thr	Val	Leu	Ile	Ser	Tyr	Ala	Phe	Ile	Leu	Ser	Ser	Ile
	210					215					220				
Leu	Arg	Ile	Ser	Ser	Asn	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Phe	Ala	Ala	Val	Gly	Leu	Phe	Tyr	Gly	Ser	Thr	Ala	Phe
			245						250					255	
Met	Tyr	Leu	Lys	Pro	Ser	Thr	Ala	Ser	Ser	Leu	Ala	Gln	Glu	Asn	Val
			260					265					270		
Ala	Ser	Val	Phe	Tyr	Thr	Thr	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Thr	Ala	Leu	Asp	Lys	Thr	Leu
	290					295					300				

Arg Arg Arg Val Phe
305

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<211> 310
<212> PRT
<213> Mus musculus

<400> 1544
Met Thr Ala Lys Asn Ser Ser Val Thr Glu Phe Ile Leu Ala Gly Leu
1 5 10 15
Thr Asp Gln Pro Gly Leu Arg Met Pro Leu Phe Phe Leu Phe Leu Gly
20 25 30
Phe Tyr Met Val Thr Val Val Gly Asn Leu Gly Leu Ile Ser Leu Ile
35 40 45
Gly Leu Asn Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Phe Asn
50 55 60
Leu Ser Leu Ile Asp Phe Cys Tyr Ser Ser Thr Ile Ser Pro Lys Met
65 70 75 80
Leu Met Ser Phe Ile Ser Lys Lys Asn Ile Ile Ser His Pro Gly Cys
85 90 95
Met Ala Gln Leu Phe Phe Phe Cys Phe Phe Val Ile Ser Glu Ser Phe
100 105 110
Ile Leu Ser Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn Pro
115 120 125
Leu Met Tyr Met Val Thr Met Ser Pro Gln Val Cys Leu Leu Leu Leu
130 135 140
Phe Gly Val Tyr Leu Met Gly Phe Val Gly Ala Met Ala His Thr Ile
145 150 155 160
Ser Met Ala Arg Leu Thr Phe Cys Ala Asp Asn Ile Val Asn His Tyr
165 170 175
Met Cys Asp Ile Leu Pro Leu Leu Glu His Ser Cys Thr Ser Thr Tyr
180 185 190
Val Asn Glu Leu Val Val Phe Ile Phe Val Ser Phe Asp Ile Gly Val
195 200 205
Pro Ile Val Thr Ile Phe Ile Ser Tyr Ala Leu Ile Leu Ser Ser Ile
210 215 220
Leu His Met His Ser Thr Glu Gly Arg Ser Lys Ala Phe Ser Thr Cys
225 230 235 240
Ser Ser His Met Ile Val Val Cys Leu Phe Phe Gly Ser Gly Ala Phe
245 250 255
Met Tyr Leu Gln Pro Pro Ser Val Leu Ser Leu Asp Gln Gly Lys Val
260 265 270
Ser Ser Leu Phe Tyr Thr Ile Val Val Pro Met Leu Asn Pro Leu Ile
275 280 285
Tyr Ser Leu Arg Asn Lys Asp Val Lys Val Ala Val Arg Lys Thr Leu
290 295 300
Asp Arg Arg Ile Phe Ser
305 310

<210> 1545
<211> 310
<212> PRT
<213> Mus musculus

<400> 1545

Met	Thr	Ala	Lys	Asn	Ser	Ser	Val	Ile	Glu	Phe	Ile	Leu	Ala	Gly	Leu
1				5					10					15	
Thr	Asp	Gln	Pro	Gly	Leu	Arg	Met	Pro	Leu	Phe	Phe	Leu	Phe	Leu	Gly
			20					25					30		
Phe	Tyr	Met	Val	Thr	Val	Val	Gly	Asn	Leu	Gly	Leu	Ile	Ser	Leu	Ile
		35					40					45			
Gly	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Phe	Asn
	50					55					60				
Leu	Ser	Val	Ile	Asp	Phe	Cys	Tyr	Ser	Ser	Thr	Ile	Ile	Pro	Lys	Met
65					70					75					80
Leu	Met	Asn	Phe	Ile	Ser	Arg	Lys	Asn	Ile	Ile	Ser	His	Ser	Gly	Cys
				85					90					95	
Met	Thr	Gln	Leu	Phe	Phe	Phe	Cys	Phe	Phe	Val	Val	Ser	Glu	Ser	Phe
			100					105					110		
Ile	Leu	Ser	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro
		115					120					125			
Leu	Met	Tyr	Thr	Val	Thr	Met	Ser	Pro	Gln	Val	Tyr	Leu	Leu	Leu	Leu
	130					135					140				
Leu	Gly	Val	Tyr	Val	Met	Gly	Phe	Ser	Gly	Ala	Met	Ala	His	Thr	Gly
145					150					155					160
Asn	Leu	Met	Asn	Leu	Thr	Phe	Cys	Ala	Asp	Asn	Leu	Ile	Asn	His	Phe
			165						170					175	
Met	Cys	Asp	Ile	Leu	Pro	Leu	Leu	Glu	Leu	Ser	Cys	Asn	Ser	Thr	Phe
		180						185					190		
Ile	Asn	Glu	Leu	Val	Ile	Phe	Ile	Val	Val	Ala	Phe	Asp	Ile	Gly	Val
	195						200					205			
Pro	Ile	Val	Thr	Ile	Phe	Ile	Ser	Tyr	Ala	Leu	Ile	Leu	Ser	Ser	Ile
	210					215					220				
Leu	Arg	Met	His	Ser	Thr	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr	Tyr
225				230						235					240
Ser	Ser	His	Leu	Ile	Val	Val	Cys	Leu	Phe	Phe	Gly	Ser	Gly	Ala	Phe
			245						250					255	
Met	Tyr	Leu	Lys	Pro	Pro	Ser	Ile	Leu	Pro	Leu	Asp	Gln	Gly	Lys	Val
		260						265					270		
Ser	Ser	Leu	Phe	Tyr	Met	Ile	Val	Val	Pro	Met	Leu	Asn	Pro	Leu	Ile
	275					280						285			
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Leu	Arg	Lys	Thr	Leu
	290					295					300				
Gly	Lys	Arg	Ile	Leu	Ser										
305					310										

<210> 1546

<211> 313

<212> PRT

<213> Mus musculus

<400> 1546

Met	Leu	Lys	Ser	Asn	Thr	Thr	Phe	Val	Thr	Glu	Phe	Leu	Phe	Glu	Gly
1				5					10					15	
Phe	Ser	Gly	Phe	Gly	Trp	Gln	His	Arg	Leu	Ala	Phe	Phe	Ala	Ile	Phe
		20						25					30		
Leu	Ala	Leu	Tyr	Phe	Leu	Thr	Leu	Ser	Gly	Asn	Val	Ile	Ile	Val	Ser
		35					40					45			
Ile	Ile	His	Leu	Asp	His	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				

Ala	Ile	Leu	Ser	Ile	Ser	Asp	Thr	Cys	Tyr	Thr	Val	Thr	Ile	Ile	Pro
65					70					75					80
Arg	Met	Leu	Ser	Asp	Leu	Leu	Asn	Pro	Tyr	His	Thr	Ile	Ala	Phe	Arg
				85					90					95	
Asp	Cys	Val	Val	Gln	Ile	Phe	Phe	Tyr	Leu	Thr	Phe	Gly	Ile	Asn	Asn
			100					105					110		
Cys	Phe	Leu	Leu	Met	Val	Met	Gly	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
Asn	Pro	Leu	Arg	Tyr	Ser	Val	Ile	Met	Gly	Arg	Lys	Ala	Cys	Val	His
	130					135					140				
Leu	Ala	Ser	Gly	Ser	Leu	Gly	Ile	Gly	Leu	Gly	Met	Ala	Ile	Val	Gln
145					150					155					160
Val	Thr	Ser	Val	Phe	Ser	Leu	Pro	Phe	Cys	Asp	Arg	Phe	Val	Ile	Pro
				165					170					175	
His	Phe	Phe	Cys	Asp	Val	Arg	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Thr	Asp
			180					185					190		
Thr	Thr	Ile	Asn	Glu	Ile	Ile	Asn	Phe	Val	Val	Ser	Val	Phe	Val	Leu
		195					200					205			
Ile	Leu	Pro	Met	Gly	Val	Val	Phe	Ile	Ser	Tyr	Val	Val	Ile	Ile	Ser
	210					215					220				
Thr	Ile	Leu	Lys	Ile	Ala	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Ala
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Thr	Val	Val	Ile	Ile	His	Tyr	Gly	Cys	Thr
				245					250					255	
Ala	Ile	Ile	Tyr	Met	Lys	Pro	Lys	Ser	Gln	Ser	Leu	Leu	Gly	Gln	Glu
			260					265					270		
Arg	Leu	Ile	Ser	Val	Thr	Tyr	Thr	Leu	Ile	Thr	Pro	Leu	Leu	Asn	Pro
		275					280					285			
Leu	Val	Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asp	Ala	Leu	Arg	Arg
	290					295					300				
Ala	Met	Trp	Gln	Lys	Pro	Leu	Ser	Ser							
305						310									

<210> 1547
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1547

Met	Pro	Lys	Lys	Asn	Ser	Thr	Val	Val	Ala	Glu	Phe	Leu	Phe	Glu	Gly
1				5					10					15	
Phe	Ser	Ser	Phe	Asp	Trp	Gln	His	Arg	Leu	Gly	Phe	Phe	Ile	Val	Phe
			20					25					30		
Leu	Thr	Leu	Tyr	Leu	Leu	Thr	Leu	Ser	Gly	Asn	Met	Ile	Ile	Val	Thr
		35				40						45			
Ile	Ile	Arg	Leu	Asp	Arg	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ser	Met	Leu	Ser	Ile	Ser	Glu	Thr	Phe	Tyr	Thr	Ile	Ala	Ile	Ile	Pro
65					70					75					80
Arg	Met	Leu	Ala	Gly	Leu	Leu	Asn	Pro	Tyr	Gln	Ala	Ile	Asp	Ile	Gln
				85					90					95	
Gly	Cys	Ala	Thr	Gln	Leu	Phe	Phe	Tyr	Leu	Thr	Phe	Gly	Ile	Asn	Asn
			100					105					110		
Cys	Phe	Leu	Leu	Thr	Ala	Met	Gly	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
Asn	Pro	Leu	Arg	Tyr	Ser	Val	Ile	Met	Gly	Lys	Lys	Ala	Cys	Ile	Leu

130		135		140
Leu Ala Ser Gly Ser	Leu Gly Ile Gly Leu Ser Met Ala Ile Val Gln			
145	150	155	160	
Val Thr Ser Val Phe	Gly Leu Pro Phe Cys Asp Gly Phe Val Ile Ala			
	165	170	175	
His Phe Phe Cys Asp	Val Arg Pro Leu Leu Lys Leu Ala Cys Thr Asp			
	180	185	190	
Thr Thr Ile Asn Glu Ile	Ile Asn Phe Ile Val Ser Val Cys Val Leu			
	195	200	205	
Val Leu Pro Met Gly Leu	Val Phe Ile Ser Tyr Val Val Ile Ile Ser			
	210	215	220	
Thr Ile Leu Lys Ile Ala	Ser Ala Glu Gly Arg Lys Lys Ala Phe Ala			
225	230	235	240	
Thr Cys Ala Ser His Leu	Thr Val Val Ile Ile His Tyr Gly Cys Ala			
	245	250	255	
Ser Ile Ile Tyr Leu Lys	Pro Lys Ser Gln Thr Ser Leu Gly Gln Asp			
	260	265	270	
Arg Leu Ile Ser Val Thr	Tyr Thr Val Ile Thr Pro Leu Leu Asn Pro			
	275	280	285	
Val Val Tyr Ser Leu Arg	Asn Lys Glu Val Lys Glu Ala Leu Arg Lys			
	290	295	300	
Ala Ile Gly Arg Arg Pro	Leu Ser Ser			
305	310			

<210> 1548
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1548

Met Asp Leu Thr Thr Trp Met Asn Asn Tyr Thr Thr Gln Ser Asp Phe	
1 5 10 15	
Thr Leu Val Gly Phe Phe Ser Gln Ser Lys His Ser Ala Leu Leu Ala	
20 25 30	
Val Val Ile Phe Val Val Phe Leu Met Ala Leu Ser Gly Asn Ala Leu	
35 40 45	
Leu Ile Leu Leu Val Leu Ser Asp Thr His Leu His Thr Pro Met Tyr	
50 55 60	
Phe Phe Ile Ser Gln Leu Ser Leu Met Asp Met Tyr Ile Ser Val	
65 70 75 80	
Thr Val Pro Lys Met Leu Met Asp Gln Val Leu Gly Ser His Lys Ile	
85 90 95	
Ser Ala Ala Ala Cys Gly Met Gln Met Phe Leu Tyr Val Thr Leu Ala	
100 105 110	
Gly Ser Glu Phe Phe Leu Leu Ala Ala Met Ser Tyr Asp Arg Tyr Val	
115 120 125	
Ala Ile Cys His Pro Leu Arg Tyr Pro Val Leu Met Asn Tyr Arg Val	
130 135 140	
Cys Leu Leu Leu Met Ser Val Cys Trp Ile Leu Gly Ser Leu Asp Gly	
145 150 155 160	
Phe Met Phe Thr Pro Val Thr Met Thr Phe Pro Phe Cys Gly Ser Arg	
165 170 175	
Glu Ile His His Phe Phe Cys Glu Val Pro Ala Val Thr Lys Leu Ser	
180 185 190	
Cys Ser Asp Thr Trp Leu Tyr Glu Thr Leu Met Tyr Val Cys Cys Val	
195 200 205	

Leu	Met	Leu	Leu	Ile	Pro	Val	Thr	Val	Ile	Ser	Gly	Ser	Tyr	Thr	Ser
210						215					220				
Ile	Leu	Leu	Thr	Val	Leu	Arg	Met	Asn	Ser	Ala	Glu	Gly	Arg	Lys	Lys
225					230					235					240
Ala	Leu	Ala	Thr	Cys	Ser	Ser	His	Met	Thr	Val	Val	Thr	Leu	Phe	Tyr
				245					250					255	
Gly	Ala	Ala	Ile	Tyr	Thr	Tyr	Ile	Phe	Pro	Ala	Ser	Leu	His	Thr	Pro
			260				265						270		
Glu	Lys	Asp	Met	Val	Val	Ser	Val	Phe	Tyr	Thr	Ile	Leu	Thr	Pro	Leu
		275					280					285			
Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Phe	Arg	Asn	Lys	Asn	Val	Thr	Glu	Ala
	290					295					300				
Met	Lys	Lys	Leu	Leu	Val	Val	Ser	Thr	Leu	Phe					
305					310					315					

<210> 1549
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1549

Met	Gly	Ser	Glu	His	Trp	Asn	Tyr	Ser	Thr	Ala	Gly	Phe	Val	Leu	Thr
1				5					10					15	
Ser	Leu	Phe	Asn	Asn	Ser	Gln	Thr	His	Leu	Phe	Leu	Phe	Ser	Met	Val
			20					25					30		
Met	Leu	Val	Tyr	Ile	Leu	Ala	Met	Ala	Gly	Asn	Thr	Ala	Met	Val	Leu
		35					40					45			
Leu	Ile	Trp	Met	Asp	Thr	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu
	50					55				60					
Ser	Gln	Leu	Ser	Phe	Leu	Asp	Ile	Phe	Phe	Thr	Ser	Val	Thr	Val	Pro
65					70					75					80
Lys	Met	Ile	Val	Gly	Phe	Leu	Phe	Gly	Trp	Thr	Ser	Ile	Ser	Phe	Gly
				85				90						95	
Gly	Cys	Gly	Ala	Gln	Met	Phe	Phe	Phe	Met	Phe	Leu	Gly	Ala	Ala	Glu
			100					105					110		
Cys	Leu	Leu	Leu	Ala	Leu	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
Asn	Pro	Leu	Arg	Tyr	Pro	Val	Leu	Met	Ser	Arg	Arg	Val	Cys	Leu	Leu
	130					135					140				
Met	Val	Val	Ala	Ser	Trp	Leu	Gly	Gly	Ser	Leu	Asn	Ala	Ser	Ile	Gln
145					150					155					160
Thr	Ser	Leu	Thr	Leu	Gln	Phe	Pro	Tyr	Cys	Gly	Ser	Arg	Lys	Ile	Ser
				165					170					175	
His	Phe	Phe	Cys	Glu	Val	Pro	Ser	Leu	Leu	Met	Leu	Ala	Cys	Ala	Asp
			180					185					190		
Thr	Glu	Ala	Tyr	Lys	Gln	Val	Leu	Phe	Val	Thr	Gly	Val	Val	Val	Leu
		195					200					205			
Leu	Val	Pro	Ile	Thr	Phe	Ile	Thr	Ala	Ser	Tyr	Ala	Leu	Ile	Leu	Ala
	210					215					220				
Ala	Val	Leu	Arg	Met	His	Ser	Val	Glu	Gly	Arg	Gln	Lys	Ala	Leu	Ala
225					230					235					240
Thr	Cys	Ser	Ser	His	Leu	Thr	Val	Val	Asn	Leu	Phe	Tyr	Gly	Pro	Leu
				245					250					255	
Val	Tyr	Thr	Tyr	Met	Leu	Pro	Ala	Ser	Tyr	His	Ser	Pro	Gly	Gln	Asp
			260					265					270		
Asp	Val	Val	Ser	Val	Phe	Tyr	Thr	Val	Leu	Thr	Pro	Met	Leu	Asn	Pro

	275		280		285										
Val	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Thr	Gly	Ala	Met	Lys	Lys
	290				295						300				
Ala	Met	Arg	Arg	Cys	Gly	Val	Asn	Arg	Asn	Ala					
305					310					315					

<210> 1550
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1550

Met	Ala	Trp	Ala	Gly	Asn	Gln	Thr	Leu	Ile	Ser	His	Phe	Val	Leu	Leu
1				5					10					15	
Gly	Leu	Phe	Thr	His	Ser	Pro	Leu	His	Leu	Phe	Leu	Phe	Ser	Ile	Ile
			20					25					30		
Met	Val	Met	Phe	Leu	Val	Ala	Leu	Ser	Gly	Asn	Gly	Leu	Met	Ile	Leu
		35					40					45			
Leu	Ile	Leu	Met	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ser	Trp	Leu	Ser	Leu	Met	Asp	Leu	Met	Leu	Ile	Ser	Thr	Ile	Val	Pro
65					70					75					80
Arg	Met	Ala	Ala	Asp	Phe	Leu	Leu	Gly	Arg	Gly	Ser	Ile	Ser	Phe	Ala
				85					90					95	
Gly	Cys	Gly	Leu	Gln	Ile	Leu	Phe	Phe	Leu	Thr	Leu	Leu	Gly	Asp	Glu
			100					105					110		
Cys	Phe	Leu	Leu	Ala	Phe	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ser
		115					120					125			
Asn	Pro	Leu	Arg	Tyr	Ser	Val	Ile	Met	Ser	Arg	Arg	Val	Cys	Trp	Leu
	130					135					140				
Met	Val	Ala	Gly	Ser	Trp	Leu	Phe	Gly	Leu	Val	Asp	Gly	Leu	Ile	Gln
145					150					155					160
Ala	Val	Phe	Thr	Leu	Arg	Phe	Pro	Tyr	Cys	Gly	Ser	Gln	Glu	Ile	Asp
				165				170						175	
His	Phe	Phe	Cys	Glu	Val	Pro	Ala	Val	Leu	Lys	Leu	Ala	Cys	Ala	Asp
			180					185					190		
Thr	Ser	Leu	Tyr	Glu	Thr	Met	Ile	Tyr	Val	Cys	Cys	Val	Leu	Met	Leu
		195				200						205			
Leu	Leu	Pro	Phe	Ser	Val	Ile	Ser	Ala	Ser	Tyr	Leu	Arg	Ile	Leu	Val
	210					215					220				
Ala	Val	Leu	Arg	Met	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ala
225					230					235					240
Thr	Cys	Ser	Ser	His	Met	Ile	Val	Val	Ser	Leu	Phe	Tyr	Gly	Ala	Ala
				245					250					255	
Met	Ile	Thr	Tyr	Met	Arg	Pro	Gln	Ala	Tyr	His	Ser	Ser	Lys	Gln	Asp
		260						265					270		
Lys	Val	Val	Ser	Ala	Phe	Tyr	Thr	Met	Ile	Thr	Pro	Met	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Thr	Gly	Ala	Leu	Arg	Lys
	290					295					300				
Leu	Leu	Gly	Lys	Cys	Pro	Cys	Gly	Gly	Gly	Thr	Leu	Gly			
305					310					315					

<210> 1551
 <211> 315

<212> PRT

<213> Mus musculus

<400> 1551

Met	Gly	Ile	Trp	Leu	Asn	Glu	Ser	Ser	Val	Asp	Gly	Phe	Ile	Leu	Leu
1				5					10					15	
Gly	Ile	Phe	Ser	Gln	Ser	Gln	Thr	Asp	Leu	Leu	Leu	Phe	Ser	Thr	Val
			20					25					30		
Met	Leu	Val	Phe	Thr	Val	Ala	Leu	Cys	Gly	Asn	Val	Leu	Leu	Ile	Leu
		35					40					45			
Leu	Ile	Tyr	Thr	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ser	Gln	Leu	Ser	Leu	Met	Asp	Leu	Met	Leu	Val	Cys	Asn	Ile	Val	Pro
65					70					75					80
Lys	Met	Ala	Val	Asn	Phe	Leu	Ser	Gly	Arg	Lys	Ser	Ile	Ser	Phe	Ala
				85					90					95	
Gly	Cys	Gly	Ile	Gln	Ile	Gly	Phe	Phe	Val	Ser	Leu	Val	Gly	Ser	Glu
			100					105					110		
Gly	Leu	Leu	Leu	Gly	Leu	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ser
		115					120					125			
His	Pro	Leu	His	Tyr	Pro	Ile	Leu	Met	Ser	Gln	Lys	Val	Cys	Leu	Gln
	130					135					140				
Ile	Ala	Gly	Ser	Ser	Trp	Ala	Phe	Gly	Ile	Leu	Asp	Gly	Ile	Ile	Gln
145					150					155					160
Met	Val	Ala	Ala	Met	Ser	Leu	Pro	Tyr	Cys	Gly	Ser	Arg	Tyr	Ile	Asp
				165					170					175	
His	Phe	Phe	Cys	Glu	Val	Pro	Ala	Leu	Lys	Leu	Ala	Cys	Ala	Asp	
			180					185				190			
Thr	Ser	Leu	Phe	Asp	Thr	Leu	Leu	Phe	Ala	Cys	Cys	Val	Phe	Met	Leu
		195					200					205			
Leu	Leu	Pro	Phe	Ser	Ile	Ile	Val	Thr	Ser	Tyr	Ala	Arg	Ile	Leu	Gly
		210				215					220				
Ala	Val	Leu	Arg	Met	His	Ser	Ala	Gln	Ser	Arg	Lys	Lys	Ala	Leu	Ala
225					230					235					240
Thr	Cys	Ser	Ser	His	Leu	Thr	Ala	Val	Ser	Leu	Phe	Tyr	Gly	Ala	Ala
				245					250					255	
Met	Phe	Ile	Tyr	Leu	Arg	Pro	Arg	Arg	Tyr	Arg	Ala	Pro	Ser	His	Asp
			260					265					270		
Lys	Val	Val	Ser	Ile	Phe	Tyr	Thr	Val	Leu	Thr	Pro	Met	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Glu	Val	Met	Gly	Ala	Leu	Arg	Lys
	290					295					300				
Gly	Leu	Asp	Arg	Cys	Arg	Val	Gly	Ser	Gln	His					
305					310					315					

<210> 1552

<211> 316

<212> PRT

<213> Mus musculus

<400> 1552

Met	Pro	Leu	Asn	Ala	Gln	Lys	Thr	Met	Glu	Asn	Asp	Ser	Ser	Val	Ser
1				5					10					15	
Glu	Phe	Ile	Leu	Met	Gly	Leu	Thr	Asp	Gln	Pro	Glu	Leu	Gln	Leu	Pro
			20					25					30		
Leu	Phe	Val	Leu	Phe	Leu	Val	Asn	Tyr	Thr	Val	Thr	Val	Met	Gly	Asn

Phe	Val	Asn	Ser	Glu	Cys	Tyr	Val	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg
	115						120					125			
Tyr	Val	Ala	Ile	Cys	His	Pro	Leu	Gln	Tyr	Thr	Thr	Val	Met	Ser	Pro
	130					135					140				
Lys	Ile	Cys	Cys	Leu	Leu	Val	Phe	Gly	Ser	Tyr	Leu	Met	Gly	Phe	Ala
145					150					155					160
Gly	Ala	Leu	Thr	His	Thr	Gly	Phe	Met	Ile	Arg	Leu	Arg	Phe	Cys	Asn
			165						170					175	
Ser	Asn	Ile	Ile	Asn	His	Tyr	Met	Cys	Asp	Ile	Phe	Pro	Leu	Leu	Gln
		180						185					190		
Leu	Ser	Cys	Thr	Ser	Thr	Tyr	Val	Asn	Glu	Leu	Val	Ser	Ser	Ala	Val
	195						200					205			
Val	Gly	Thr	Ile	Ile	Ile	Leu	Ser	Ser	Ile	Ile	Ile	Leu	Val	Ser	Tyr
	210					215					220				
Ala	Met	Ile	Leu	Ser	Asn	Ile	Leu	His	Met	Ser	Ser	Ser	Lys	Gly	Trp
225					230					235					240
Ser	Lys	Ala	Leu	Gly	Thr	Cys	Gly	Ser	His	Ile	Ile	Thr	Val	Ser	Leu
			245						250					255	
Phe	Tyr	Gly	Ser	Gly	Leu	Leu	Ala	Tyr	Ile	Lys	Pro	Thr	Ser	Ala	Glu
		260						265					270		
Thr	Val	Asp	Gln	Gly	Lys	Phe	Leu	Ser	Ile	Phe	Tyr	Thr	Leu	Val	Ile
	275						280					285			
Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys
	290					295					300				
Leu	Ala	Val	Lys	Arg	Thr	Met	Lys	Arg	Val	Thr	Ser				
305					310					315					

<210> 1554
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1554

Met	Gly	Leu	Glu	Asn	Gly	Ser	Leu	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Thr	Asn	Asp	Pro	Asp	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Leu
		20						25					30		
Leu	Ile	Tyr	Thr	Thr	Thr	Ala	Val	Gly	Asn	Leu	Ala	Leu	Ile	Thr	Leu
	35					40						45			
Ile	Ala	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Leu
	50					55					60				
Asn	Leu	Ser	Cys	Ile	Asp	Leu	Cys	Tyr	Ser	Ser	Val	Ile	Thr	Pro	Lys
65					70					75				80	
Met	Leu	Met	Asn	Phe	Leu	Val	Arg	Lys	Asn	Ile	Ile	Ser	Tyr	Met	Gly
			85						90					95	
Cys	Met	Thr	Gln	Leu	Tyr	Phe	Phe	Cys	Phe	Phe	Ala	Ile	Cys	Glu	Cys
		100						105				110			
Cys	Val	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
	115						120					125			
Pro	Leu	Leu	Tyr	Asn	Ile	Thr	Met	Ser	Pro	Lys	Val	Cys	Ser	Tyr	Leu
	130					135					140				
Met	Leu	Gly	Ser	Tyr	Ile	Met	Gly	Phe	Ser	Gly	Ala	Met	Ile	His	Thr
145					150					155				160	
Gly	Cys	Ile	Leu	Arg	Leu	Thr	Phe	Cys	Asp	Arg	Asn	Ile	Ile	Asn	His
			165						170					175	
Tyr	Phe	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Thr	Ser	Thr

Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Pro	Glu	Ser	Met	Asp	Gln	Gly	Lys
			260					265					270		
Arg	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Leu	Val	Pro	Met	Met	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ile	Ala	Leu	Lys	Lys	Thr
	290					295					300				
Phe	Ser	Thr	Gln	Ser	Val										
305					310										

<210> 1556
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1556

Met	Arg	Val	Met	Lys	Gln	Met	Val	Ser	Glu	Ser	Asn	Tyr	Ser	Val	Thr
1				5					10					15	
Glu	Phe	Ile	Phe	Met	Gly	Leu	Thr	Val	Gln	Arg	Glu	Phe	Gln	Leu	Pro
			20					25					30		
Leu	Phe	Val	Leu	Phe	Leu	Leu	Asn	Tyr	Thr	Ala	Thr	Val	Val	Gly	Asn
		35					40					45			
Leu	Ser	Leu	Met	Asn	Leu	Ile	Cys	Leu	Asn	Ser	His	Leu	His	Thr	Pro
	50					55					60				
Met	Tyr	Phe	Phe	Ile	Phe	Asn	Leu	Ser	Cys	Ile	Asp	Phe	Cys	Tyr	Ser
65					70					75					80
Leu	Val	Cys	Asn	Pro	Thr	Met	Leu	Thr	Ser	Phe	Val	Ser	Glu	His	Asn
				85					90					95	
Thr	Ile	Ser	Tyr	Ala	Gly	Cys	Met	Ser	Gln	Leu	Phe	Leu	Phe	Cys	Phe
			100					105					110		
Phe	Ala	Asn	Ser	Glu	Cys	Tyr	Val	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg
		115					120					125			
Tyr	Val	Ala	Ile	Cys	His	Pro	Leu	Lys	Tyr	Thr	Thr	Val	Met	Ser	Pro
	130					135					140				
Lys	Ile	Cys	Ser	Leu	Leu	Val	Phe	Gly	Ser	Tyr	Leu	Met	Gly	Phe	Ala
145					150					155					160
Gly	Ala	Met	Thr	His	Thr	Gly	Phe	Met	Ile	Arg	Leu	Ser	Phe	Cys	Asn
				165					170					175	
Ser	Asn	Ile	Ile	Asn	His	Tyr	Met	Cys	Asp	Ile	Phe	Pro	Leu	Leu	Gln
		180						185					190		
Leu	Ser	Cys	Thr	Ser	Thr	Tyr	Val	Asn	Glu	Leu	Val	Ser	Ser	Ala	Val
		195					200					205			
Val	Gly	Thr	Ile	Ile	Ile	Leu	Ser	Ser	Leu	Ile	Ile	Leu	Val	Ser	Tyr
	210					215					220				
Ala	Met	Ile	Leu	Ser	Asn	Ile	Leu	His	Met	Ser	Ser	Ser	Lys	Gly	Trp
225					230					235					240
Ser	Lys	Ala	Leu	Gly	Thr	Cys	Gly	Ser	His	Ile	Ile	Thr	Val	Ser	Leu
				245					250					255	
Phe	Tyr	Gly	Ser	Gly	Leu	Leu	Ala	Tyr	Val	Lys	Pro	Ser	Ser	Ala	Glu
			260					265					270		
Thr	Val	Gly	Gln	Gly	Lys	Ile	Phe	Ser	Val	Phe	Tyr	Thr	Leu	Val	Val
		275					280					285			
Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys
	290					295					300				
Phe	Ala	Val	Lys	Arg	Thr	Met	Lys	Arg	Val	Thr	Ser				
305					310						315				

<210> 1557
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1557

Met	Lys	Gln	Met	Ala	Thr	Lys	Asn	Asp	Ser	Ser	Val	Ser	Glu	Phe	Ile
1				5					10					15	
Leu	Met	Gly	Leu	Thr	Asp	Gln	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Phe
		20						25					30		
Leu	Phe	Leu	Leu	Asn	His	Thr	Val	Ile	Val	Val	Gly	Asn	Leu	Ser	Leu
		35					40					45			
Met	Ser	Leu	Ile	Ile	Leu	Asn	Ser	Asn	Leu	His	Thr	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Phe	Asn	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Tyr	Ser	Phe	Val	Phe
65					70					75					80
Thr	Pro	Lys	Met	Leu	Met	Ser	Phe	Val	Ser	Glu	Lys	Asn	Ile	Ile	Pro
			85						90					95	
Phe	Thr	Gly	Cys	Met	Thr	Gln	Leu	Phe	Phe	Phe	Cys	Phe	Phe	Ala	His
		100						105					110		
Ser	Glu	Ser	Trp	Val	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala
	115						120					125			
Ile	Cys	Lys	Pro	Leu	Leu	Tyr	Lys	Ala	Ile	Met	Leu	Pro	Arg	Ile	Cys
	130					135					140				
Cys	Leu	Leu	Met	Phe	Val	Ser	Tyr	Leu	Ile	Gly	Phe	Ala	Ser	Ala	Met
145					150					155					160
Val	Leu	Ala	Gly	Leu	Met	Ile	Arg	Leu	Asn	Phe	Cys	Asn	Asn	Asn	Ile
			165						170					175	
Ile	Asn	His	Tyr	Met	Cys	Asp	Ile	Phe	Pro	Val	Leu	Arg	Ile	Ser	Cys
		180						185					190		
Ser	Asn	Thr	Tyr	Leu	Asn	Glu	Leu	Val	Ser	Thr	Ala	Val	Val	Gly	Thr
	195						200					205			
Ala	Ile	Ile	Leu	Cys	Ser	Leu	Ile	Ile	Phe	Ile	Ser	Tyr	Ala	Met	Ile
	210					215					220				
Leu	Phe	Asn	Ile	Ile	His	Met	Ser	Ser	Gly	Lys	Gly	Trp	Ser	Lys	Ala
225					230					235					240
Leu	Gly	Thr	Cys	Gly	Ser	His	Ile	Ile	Thr	Val	Ser	Phe	Phe	Tyr	Gly
			245						250					255	
Ser	Gly	Leu	Leu	Ala	Tyr	Val	Lys	Pro	Ser	Ser	Ala	Glu	Thr	Val	Gly
		260						265					270		
Gln	Gly	Lys	Phe	Phe	Ser	Val	Phe	Tyr	Thr	Phe	Leu	Val	Pro	Met	Leu
	275						280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Val
	290					295					300				
Lys	Lys	Thr	Ile	Lys	Arg	Ile	Thr	Ser							
305						310									

<210> 1558
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1558

Met	Ile	Ser	Met	Leu	Ala	Gly	Asn	Gly	Ser	Ser	Val	Thr	Glu	Phe	Val
1				5					10					15	

Leu Ala Gly Leu Thr Asp Arg Pro Glu Leu Gln Leu Pro Leu Phe Tyr
 20 25 30
 Leu Phe Leu Ile Ile Tyr Ile Ile Thr Val Val Gly Asn Leu Gly Leu
 35 40 45
 Ile Ile Leu Ile Gly Leu Asn Pro His Leu His Thr Pro Met Tyr Tyr
 50 55 60
 Phe Leu Phe Asn Leu Ser Phe Ile Asp Leu Cys Tyr Ser Ser Val Phe
 65 70 75 80
 Ser Pro Lys Met Leu Ile Asn Phe Val Ser Glu Lys Asn Ser Ile Ser
 85 90 95
 Tyr Ala Gly Cys Met Thr Gln Leu Phe Leu Phe Leu Phe Phe Val Ile
 100 105 110
 Ser Glu Cys Tyr Met Leu Thr Ser Met Ala Tyr Asp Arg Tyr Val Ala
 115 120 125
 Ile Cys Asn Pro Leu Leu Tyr Lys Val Thr Met Ser Pro Gln Ile Cys
 130 135 140
 Ser Val Ile Ser Phe Ala Ala Tyr Gly Met Gly Phe Ala Gly Ser Ser
 145 150 155 160
 Ala His Thr Gly Cys Met Leu Arg Leu Thr Phe Cys Asn Val Asn Val
 165 170 175
 Ile Asn His Tyr Leu Cys Asp Ile Leu Pro Leu Leu Gln Leu Ser Cys
 180 185 190
 Thr Ser Thr Tyr Val Asn Glu Val Val Val Leu Ile Val Val Gly Ile
 195 200 205
 Asn Ile Thr Val Pro Ser Phe Thr Ile Leu Ile Ser Tyr Val Phe Ile
 210 215 220
 Leu Ala Asn Ile Leu Asn Ile Lys Ser Thr Gln Gly Arg Ala Lys Ala
 225 230 235 240
 Phe Ser Thr Cys Ser Ser His Ile Met Ala Ile Ser Leu Phe Phe Gly
 245 250 255
 Ser Ala Ala Phe Met Tyr Leu Lys Tyr Ser Ser Gly Ser Met Glu Gln
 260 265 270
 Gly Lys Ile Ser Ser Val Phe Tyr Thr Asn Val Gly Pro Met Leu Asn
 275 280 285
 Pro Leu Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Val Ala Leu Arg
 290 295 300
 Lys Ser Leu Ile Lys Phe Arg Glu Lys Thr Asp Phe Asn
 305 310 315

<210> 1559

<211> 313

<212> PRT

<213> Mus musculus

<400> 1559

Met Met Gln Met Thr Met Glu Asn Lys Ser Ser Val Ser Glu Phe Ile
 1 5 10 15
 Leu Met Gly Leu Thr Asp Gln Pro Glu Leu Gln Leu Pro Leu Phe Val
 20 25 30
 Leu Phe Leu Met Asn Tyr Thr Ala Thr Val Met Gly Asn Leu Ser Leu
 35 40 45
 Met Asn Leu Ile Cys Leu Asn Ser Asn Leu His Thr Pro Met Tyr Phe
 50 55 60
 Phe Ile Phe Asn Leu Ser Phe Ile Asp Phe Cys Tyr Ser Met Val Phe
 65 70 75 80
 Thr Pro Lys Met Leu Met Ser Phe Val Val Glu Lys Asn Thr Ile Ser

Gln	Thr	Val	Leu	Thr	Ser	Leu	Leu	Pro	Arg	Cys	Gly	Gln	Tyr	Gln	Ile
				165					170					175	
Glu	Asn	Phe	Phe	Cys	Glu	Val	Pro	Ala	Met	Leu	Gln	Leu	Ser	Cys	Val
			180					185					190		
Asp	Thr	Trp	Val	Asn	Glu	Val	Glu	Met	Tyr	Ala	Ala	Val	Val	Val	Ile
		195					200					205			
Lys	Val	Ile	Pro	Leu	Gly	Leu	Ile	Leu	Phe	Ser	Tyr	Ile	Asn	Ile	Val
	210					215					220				
Arg	Ala	Val	Ile	Lys	Ile	Gln	Ser	Ser	Glu	Gly	Arg	Lys	Lys	Ala	Phe
225					230					235					240
Asn	Thr	Cys	Gly	Ser	His	Leu	Leu	Val	Val	Ile	Met	Phe	Tyr	Gly	Ser
				245					250					255	
Ala	Ile	Ser	Gly	Tyr	Ala	Tyr	Met	Ala	Pro	Lys	Ser	Ser	Ser	Ala	Lys
			260					265					270		
Leu	Lys	Gly	Lys	Leu	Leu	Ala	Leu	Phe	Tyr	Gly	Leu	Ile	Thr	Pro	Met
		275					280					285			
Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ala	Ala
	290					295					300				
Val	Lys	Lys	Val	Leu	Gly	Arg	Glu	Gln	Glu						
305						310									

<210> 1561
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1561

Met	Gly	Gln	Gln	Asn	Thr	Thr	Ser	Leu	Pro	Gly	Phe	Ile	Leu	Met	Gly
1				5					10					15	
Ile	Thr	Gln	Ser	Thr	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Gly	Val	Phe	Phe
			20					25					30		
Ile	Ile	Tyr	Ala	Val	Thr	Val	Met	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu
		35					40					45			
Thr	Lys	Leu	Asp	Ser	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Arg
	50					55					60				
His	Leu	Ala	Phe	Ile	Asp	Leu	Gly	Asn	Ser	Thr	Val	Ile	Cys	Pro	Lys
65					70				75					80	
Met	Leu	Met	Asp	Phe	Val	Met	Asp	Glu	Lys	Asn	Ile	Ser	Phe	Tyr	Ala
			85						90					95	
Cys	Ala	Thr	Gln	Met	Ser	Phe	Phe	Val	Leu	Phe	Ile	Ile	Ser	Glu	Leu
			100					105					110		
Phe	Ile	Leu	Ser	Ser	Met	Ala	Tyr	Asp	Cys	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Ser	Val	Ile	Met	Ser	Gln	Arg	Leu	Cys	His	Val	Leu
	130					135					140				
Val	Asp	Ile	Pro	Tyr	Leu	Tyr	Ser	Thr	Phe	Gln	Ala	Leu	Leu	Phe	Thr
145					150					155				160	
Ser	Lys	Ile	Phe	Thr	Leu	Thr	Phe	Cys	Gly	Ser	Asn	Ile	Ile	Ser	His
			165						170					175	
Phe	Tyr	Cys	Asp	Ala	Val	Tyr	Leu	Leu	Pro	Thr	Leu	Cys	Ser	Asn	Ala
			180					185					190		
Glu	Glu	Ile	Gln	Leu	Leu	Ile	Ile	Leu	Phe	Ser	Ala	Leu	Asn	Leu	Leu
		195					200					205			
Ser	Ser	Leu	Leu	Ile	Val	Leu	Gly	Leu	Tyr	Val	Leu	Ile	Leu	Ile	Ala
	210					215					220				
Ile	Cys	Arg	Met	His	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr

225		230		235		240
Cys Gly Ser His	Leu Thr Val Val Val	Phe Tyr Gly Thr	Leu Leu			
	245	250	255			
Phe Met Tyr Leu Gln Pro Lys Ser Thr	Asp Ser Leu Glu Asn	Asp Lys				
	260	265	270			
Ile Thr Ser Val Phe Tyr Thr Leu Val	Ile Pro Met Ile Asn	Pro Leu				
	275	280	285			
Ile Tyr Ser Leu Arg Asn Lys Glu Val	Lys Asn Ala Phe Asn	Arg Ala				
	290	295	300			
Leu Lys Asn Pro Phe Lys Ile Asn Thr						
305	310					

<210> 1562
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1562

Met Lys His Ser Asn Asp Ser Lys Val Thr Glu Phe Ile Leu Leu Gly	
1	5 10 15
Phe Ala Gly Gln Asn Glu Ser Trp His Ile Leu Phe Val Val Phe Leu	
	20 25 30
Val Ile Tyr Ile Ala Thr Leu Val Gly Asn Ile Gly Met Ile Leu Leu	
	35 40 45
Ile Lys Leu His Ser Ser Leu His Thr Pro Met Tyr Phe Phe Leu Gln	
	50 55 60
His Leu Ala Phe Val Asp Leu Cys Tyr Ser Ser Ala Ile Thr Pro Arg	
65	70 75 80
Thr Leu Gln Asn Phe Val Ser Thr Lys Pro Ser Ile Ser Phe Thr Gly	
	85 90 95
Cys Leu Ala Gln Leu Leu Val Tyr Gly Ile Phe Val Thr Ser Asp Cys	
	100 105 110
Phe Ile Leu Ala Ala Met Ala Val Asp Arg Tyr Val Ala Ile Cys Asn	
	115 120 125
Pro Leu Arg Tyr Pro Ile Ile Met Ser Gln Arg Leu Cys Ile Leu Leu	
	130 135 140
Leu Leu Gly Ser Tyr Thr Met Gly Phe Leu Asn Ala Thr Val Asn Thr	
145	150 155 160
Gly Phe Thr Phe Leu Ser Asn Phe Cys Lys Ser Asn Val Ile Asn His	
	165 170 175
Phe Phe Cys Asp Val Pro Pro Ile Leu Ala Leu Ser Cys Ser Ser Ile	
	180 185 190
Asp Leu Asn Ile Met Val Leu Thr Ile Phe Val Gly Phe Asn Leu Thr	
	195 200 205
Phe Thr Val Ser Val Val Ile Leu Ser Tyr Thr Phe Ile Leu Ala Ala	
	210 215 220
Ile Leu Arg Met Ser Ser Ala Ser Gly Arg Arg Lys Ala Phe Ser Thr	
225	230 235 240
Cys Ala Ser His Met Thr Ala Val Thr Ile Phe Tyr Gly Thr Leu Ser	
	245 250 255
Tyr Met Tyr Val Leu His Gly Thr Asn Arg Ser Gln Glu Gln Glu Lys	
	260 265 270
Val Ala Ser Val Phe Tyr Gly Ile Met Ile Pro Met Leu Asn Pro Leu	
	275 280 285
Ile Tyr Ser Leu Arg Asn Gln Asp Val Ile Glu Ala Leu Arg His Ile	
	290 295 300

Gly Asn Lys Cys Phe
305

<210> 1563
<211> 311
<212> PRT
<213> Mus musculus

<400> 1563
Met Arg Asn His Thr Val Thr Thr Phe Ile Leu Leu Gly Leu Thr Asp
1 5 10 15
Asp Gln Gln Leu Gln Val Leu Ile Phe Ile Ile Leu Phe Phe Thr Tyr
20 25 30
Ser Leu Ser Ile Ser Gly Asn Leu Ala Ile Ile Ser Leu Ile Leu Val
35 40 45
Asp Pro His Leu Lys Thr Ala Met Tyr Tyr Phe Leu Lys Asn Phe Ala
50 55 60
Val Leu Glu Ile Ser Phe Thr Ser Ala Ser Ile Pro Arg Tyr Leu Tyr
65 70 75 80
Asn Ile Ala Thr Gly Asp Lys Met Ile Thr Tyr Asn Ala Cys Val Ala
85 90 95
Gln Val Phe Phe Thr Asp Leu Phe Gly Val Thr Glu Phe Phe Leu Leu
100 105 110
Ala Ala Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys Arg Pro Leu His
115 120 125
Tyr Leu Thr Ile Met Ser Thr Thr Val Cys Arg Arg Leu Val Phe Cys
130 135 140
Ser Trp Val Ala Gly Leu Phe Ile Leu Ile Pro Pro Leu Ser Leu Gly
145 150 155 160
Leu Asn Leu Gln Phe Cys Asp Ser Asn Ile Ile Asp His Phe Ile Cys
165 170 175
Asp Ala Ser Pro Leu Leu Lys Ile Ser Cys Ser Asp Thr Trp Phe Met
180 185 190
Glu Gln Thr Val Leu Ile Cys Ala Val Leu Thr Leu Ile Ile Thr Leu
195 200 205
Val Cys Val Val Leu Ser Tyr Val Asn Ile Ile Lys Thr Val Leu Arg
210 215 220
Phe Pro Ser Ala Gln Gln Lys Lys Lys Ala Phe Ser Thr Cys Ser Ser
225 230 235 240
His Met Ile Val Val Ser Ile Thr Tyr Gly Ser Cys Ile Phe Ile Tyr
245 250 255
Ile Lys Pro Ser Ala Lys Asp Glu Val Ala Ile Asn Lys Gly Val Thr
260 265 270
Val Leu Thr Thr Ser Ile Ala Pro Met Leu Asn Pro Phe Ile Tyr Thr
275 280 285
Leu Arg Asn Arg Gln Val Lys Gln Ala Phe Trp Asp Ser Ile Lys Arg
290 295 300
Ile Ile Ala Phe Ser Lys Gln
305 310

<210> 1564
<211> 312
<212> PRT
<213> Mus musculus

<400> 1564

Met	Lys	Asn	Tyr	Thr	Ala	Ile	Thr	Thr	Phe	Ile	Leu	Val	Gly	Leu	Thr
1				5					10					15	
Asn	Asp	Ala	Asn	Leu	Gln	Ile	Leu	Leu	Phe	Ile	Phe	Leu	Leu	Leu	Thr
			20					25					30		
Tyr	Leu	Leu	Ser	Val	Ile	Gly	Asn	Leu	Thr	Ile	Ile	Thr	Leu	Thr	Leu
		35					40					45			
Val	Asp	Ser	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50					55					60				
Ser	Leu	Leu	Glu	Val	Ser	Phe	Thr	Thr	Val	Cys	Ile	Pro	Arg	Phe	Leu
65					70					75					80
Tyr	Thr	Met	Ala	Ser	Gly	Asp	Asn	Thr	Ile	Thr	Tyr	Asn	Ala	Cys	Ala
				85					90					95	
Thr	Gln	Leu	Phe	Phe	Val	Ile	Val	Leu	Gly	Val	Thr	Glu	Phe	Phe	Leu
			100					105					110		
Leu	Thr	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Thr	Thr	Ile	Met	Ser	Asn	Arg	Val	Cys	Ile	Gln	Phe	Leu	Ile
	130					135					140				
Gly	Cys	Tyr	Leu	Met	Ala	Leu	Ile	Ile	Val	Ile	Pro	Pro	Tyr	Ser	Ile
145					150					155					160
Ser	Phe	Lys	Leu	Glu	Phe	Cys	Asn	Ser	Asn	Val	Ile	Asp	His	Phe	Gly
			165						170					175	
Cys	Asp	Ala	Ala	Pro	Ile	Leu	Lys	Ile	Ser	Cys	Ser	Asn	Thr	Glu	Phe
			180					185					190		
Ile	Glu	Arg	Phe	Val	Leu	Ile	Leu	Ala	Val	Leu	Thr	Leu	Met	Phe	Thr
	195						200					205			
Leu	Leu	Cys	Val	Val	Met	Ser	Tyr	Thr	Tyr	Ile	Ile	Arg	Thr	Ile	Leu
	210					215					220				
Arg	Phe	Pro	Ser	Ala	Gln	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Ile	Ile	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Ile
			245						250					255	
Tyr	Ile	Lys	Pro	Ser	Ala	Lys	Glu	Gly	Val	Ala	Val	Asn	Lys	Val	Val
			260					265					270		
Ser	Val	Leu	Thr	Thr	Ser	Val	Ala	Pro	Val	Met	Asn	Pro	Phe	Ile	Tyr
	275						280					285			
Thr	Leu	Arg	Asn	Lys	Gln	Val	Val	Gln	Ala	Phe	Lys	Asp	Met	Ile	Lys
	290					295						300			
Arg	Ile	Ala	Ser	Ile	Ile	Lys	Ser								
305					310										

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<211> 311

<212> PRT

<213> Mus musculus

<400> 1565

Met	Arg	Asn	His	Thr	Val	Thr	Thr	Phe	Ile	Leu	Leu	Gly	Leu	Thr	Glu
1				5				10						15	
Asp	Pro	Gln	Ile	Gln	Ser	Leu	Leu	Leu	Ile	Phe	Leu	Leu	Leu	Thr	Tyr
			20					25					30		
Leu	Leu	Asn	Ile	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Leu	Leu	Thr	Leu	Ile
		35					40					45			
Asp	Pro	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gln	Asn	Phe	Ser
	50					55					60				

Phe	Leu	Glu	Ile	Leu	Phe	Thr	Ser	Ala	Cys	Ile	Pro	Arg	Tyr	Leu	Tyr
65					70					75					80
Asn	Leu	Ala	Thr	Gly	Asp	Lys	Thr	Ile	Thr	Tyr	Gly	Ala	Cys	Ala	Ser
				85					90					95	
Gln	Ala	Phe	Phe	Thr	Asp	Leu	Phe	Gly	Val	Thr	Glu	Phe	Phe	Leu	Leu
			100					105					110		
Ala	Thr	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His
		115					120					125			
Tyr	Thr	Thr	Ile	Met	Ser	Thr	Ala	Cys	Arg	Arg	Leu	Leu	Leu	Cys	Cys
	130					135					140				
Trp	Val	Ala	Gly	Val	Ile	Ile	Ile	Leu	Pro	Pro	Phe	Ser	Leu	Ser	Gln
145					150					155					160
Asn	Leu	Gln	Phe	Cys	Asp	Ser	Asn	Ile	Ile	Asp	Ser	Phe	Leu	Cys	Asp
				165					170					175	
Val	Ser	Pro	Phe	Leu	Lys	Ile	Ser	Cys	Ser	Asp	Thr	Trp	Val	Ile	Glu
			180					185					190		
Gln	Met	Val	Ile	Gly	Cys	Ala	Val	Leu	Thr	Phe	Ile	Thr	Thr	Leu	Phe
		195					200					205			
Cys	Val	Val	Leu	Ser	Tyr	Val	Tyr	Ile	Ile	Lys	Thr	Ile	Leu	Lys	Phe
	210					215					220				
Pro	Ser	Ala	Gln	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His
225					230					235					240
Met	Ile	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Ile	Tyr	Val
				245					250					255	
Lys	Pro	Ser	Ala	Lys	Asp	Ser	Val	Ala	Ile	Asn	Lys	Gly	Val	Ile	Val
			260					265					270		
Leu	Thr	Thr	Ser	Ile	Ala	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr	Thr	Leu
		275					280					285			
Arg	Asn	Lys	Gln	Val	Lys	Gln	Ala	Phe	Asn	Asp	Ser	Ile	Lys	Lys	Ile
	290					295					300				
Ala	Leu	Glu	Cys	Gln	Asn	Gly									
305					310										

<210> 1566
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 <212> PRT
 <213> Mus musculus

<400> 1566

Met	Gly	Asp	Asp	Asn	Asp	Thr	Asp	Ile	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Phe	Ser	Gly	Tyr	Gly	Phe	Leu	Gln	Gly	His	Leu	Phe	Trp	Gly	Val	Leu
		20						25					30		
Cys	Ile	Tyr	Val	Val	Thr	Leu	Leu	Gly	Asn	Ser	Leu	Ile	Val	Leu	Leu
		35					40					45			
Thr	Leu	Ala	Asp	Ser	Ala	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Arg
	50					55					60				
His	Phe	Ser	Val	Val	Glu	Ile	Leu	Tyr	Thr	Thr	Thr	Ile	Val	Pro	Arg
65					70					75					80
Met	Leu	Ala	Asp	Leu	Arg	Ser	Ser	Cys	Pro	Thr	Ile	Pro	Leu	Ala	Ser
			85					90						95	
Cys	Phe	Thr	Gln	Leu	Tyr	Phe	Phe	Ala	Leu	Phe	Gly	Ile	Ala	Glu	Cys
			100					105					110		
Cys	Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Cys
		115					120					125			
Pro	Leu	His	Tyr	Thr	Thr	Leu	Met	Ser	Gln	Gly	Thr	Tyr	Thr	Gly	Leu

130		135		140	
Val Gly Ala Ser Tyr	Leu Ala Gly Val Ile Ser Gly Thr Thr His Ser				
145		150		155	160
Ile Phe Ile Phe Thr	Leu Pro Phe Arg Gly Ala Lys Thr Ile His His				
	165		170		175
Phe Leu Cys Asp Ile	Leu Pro Val Leu Arg Leu Ala Thr Ala Ser Thr				
	180		185		190
Phe Trp Gly Glu Val	Gly Asn Leu Phe Val Thr Ile Thr Phe Ile Phe				
	195	200		205	
Ala Pro Phe Leu Leu Ile	Val Ala Ser Tyr Ala Cys Ile Leu Ala Thr				
	210	215		220	
Ile Leu Gly Val Ala Thr	Ser Gln Gly Arg Gln Lys Leu Phe Ser Thr				
225		230		235	240
Cys Ser Ser His Leu Phe	Val Val Ile Leu Phe Phe Gly Thr Gly Thr				
	245		250		255
Val Ala Tyr Met Arg Pro	Gln Ala Asp Ser Phe Gly Asp Thr Asp Gln				
	260		265		270
Ile Ile Thr Leu Phe Tyr	Thr Val Val Thr Pro Met Cys Asn Pro Phe				
	275	280		285	
Val Tyr Thr Leu Arg Asn	Lys Glu Val Thr Gly Ala Met Arg Arg Leu				
	290	295		300	
Val Lys Arg Tyr Phe					
305					

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 <212> PRT
 <213> Mus musculus

<400> 1567

Met Gly Asp Asp Asn Asp Thr Asp Ile Thr Glu Phe Ile Leu Leu Gly	
1 5 10 15	
Phe Ser Gly Tyr Gly Phe Leu Gln Gly His Leu Phe Trp Gly Val Leu	
20 25 30	
Cys Ile Tyr Val Val Thr Leu Leu Gly Asn Ser Leu Ile Val Leu Leu	
35 40 45	
Thr Leu Ala Asp Ser Ala Leu His Ser Pro Met Tyr Phe Phe Leu Arg	
50 55 60	
His Phe Ser Val Val Glu Ile Leu Tyr Thr Thr Ile Val Pro Arg	
65 70 75 80	
Met Leu Ala Asp Leu Arg Ser Ser Cys Pro Thr Ile Pro Leu Ala Ser	
85 90 95	
Cys Phe Thr Gln Leu Tyr Phe Phe Ala Leu Phe Gly Ile Ala Glu Cys	
100 105 110	
Cys Leu Leu Thr Ala Met Ala Tyr Asp Arg Tyr Ala Ala Ile Cys Cys	
115 120 125	
Pro Leu His Tyr Thr Thr Leu Met Ser Gln Gly Thr Tyr Thr Gly Leu	
130 135 140	
Val Gly Ala Ser Tyr Leu Ala Gly Val Ile Ser Gly Thr Thr His Ser	
145 150 155 160	
Ile Phe Ile Phe Thr Leu Pro Phe Arg Gly Ala Lys Thr Ile His His	
165 170 175	
Phe Leu Cys Asp Ile Leu Pro Val Leu Arg Leu Ala Thr Ala Ser Thr	
180 185 190	
Phe Trp Gly Glu Val Gly Asn Leu Phe Val Thr Ile Thr Phe Ile Phe	
195 200 205	

Val	Pro	Phe	Leu	Leu	Ile	Val	Ala	Ser	Tyr	Ala	Cys	Ile	Leu	Val	Thr
210						215					220				
Ile	Leu	Gly	Val	Ala	Thr	Ser	Gln	Gly	Arg	Gln	Lys	Leu	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Phe	Val	Val	Ile	Leu	Phe	Phe	Gly	Thr	Ala	Thr
			245						250					255	
Val	Ala	Tyr	Met	Arg	Pro	Gln	Ala	Asp	Ser	Phe	Gly	Asn	Thr	Asp	Gln
			260					265					270		
Ile	Leu	Thr	Leu	Val	Tyr	Thr	Val	Val	Thr	Pro	Met	Cys	Asn	Pro	Phe
		275					280					285			
Val	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Thr	Gly	Ala	Met	Arg	Arg	Leu
	290				295						300				
Met	Lys	Arg	Tyr	Leu	Trp	Gly	Pro								
305					310										

<210> 1568
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 <212> PRT
 <213> Mus musculus

<400> 1568

Met	Gly	Gly	Thr	Asn	Gln	Ser	Ser	Val	Ser	Glu	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Arg	Gln	Pro	Gln	Gln	Gln	Gln	Leu	Ile	Phe	Leu	Leu	Phe	
			20					25				30			
Leu	Ile	Met	Tyr	Leu	Ala	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu
		35					40					45			
Ala	Ile	Ser	Thr	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50				55						60				
Ser	Asn	Leu	Ser	Phe	Val	Asp	Val	Cys	Phe	Ser	Ser	Thr	Thr	Val	Pro
65				70					75					80	
Lys	Val	Leu	Ala	Ile	His	Ile	Leu	Arg	Asn	Gln	Ala	Ile	Ser	Phe	Ser
			85					90					95		
Gly	Cys	Leu	Thr	Gln	Leu	Tyr	Phe	Leu	Cys	Val	Phe	Ala	Asp	Met	Asp
			100					105					110		
Asn	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys
		115					120					125			
His	Pro	Leu	His	Tyr	Thr	Thr	Lys	Met	Thr	His	Gln	Leu	Cys	Ala	Phe
	130					135					140				
Leu	Val	Val	Gly	Ser	Trp	Met	Val	Ala	Ser	Leu	Asn	Ala	Leu	Leu	His
145				150					155					160	
Thr	Leu	Leu	Val	Ala	Gln	Leu	Tyr	Phe	Cys	Gly	Asp	Asn	Val	Ile	Pro
			165					170					175		
His	Phe	Phe	Cys	Glu	Val	Thr	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp
			180					185					190		
Thr	His	Leu	Asn	Glu	Leu	Met	Ile	Leu	Ala	Val	Ala	Gly	Leu	Ile	Met
		195				200						205			
Leu	Ala	Pro	Phe	Val	Cys	Ile	Leu	Leu	Ser	Tyr	Ile	Leu	Ile	Ala	Cys
	210					215					220				
Ala	Ile	Leu	Lys	Ile	Ser	Ser	Thr	Gly	Arg	Trp	Lys	Ala	Phe	Ser	Thr
225				230					235					240	
Cys	Gly	Ser	His	Leu	Ala	Val	Val	Cys	Leu	Phe	Tyr	Gly	Thr	Ile	Ile
			245					250					255		
Ser	Leu	Tyr	Phe	Asn	Pro	Ser	Ser	Ser	His	Ser	Ala	Gly	Arg	Asp	Met
		260					265					270			
Ala	Ala	Ala	Met	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Met	Lys	Pro	Phe

	275		280		285										
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Gly	Ala	Leu	Arg	Lys	Val
	290				295						300				
Leu	Thr	Met	Arg	Phe	Ile	Ser	Thr	Gln							
305					310										

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 <212> PRT
 <213> Mus musculus

<400> 1569

Met	Glu	Pro	Glu	Asn	His	Thr	Gly	Ile	Pro	Glu	Phe	Tyr	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Glu	Asn	Pro	Glu	Ile	Gln	Ser	Val	Leu	Phe	Gly	Leu	Phe	Leu
			20					25					30		
Ser	Leu	Tyr	Leu	Val	Thr	Val	Phe	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala
		35					40					45			
Ile	Val	Ser	Asp	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Ser	Asp	Ile	Cys	Phe	Thr	Ser	Thr	Thr	Val	Pro	Lys
65					70					75					80
Met	Leu	Leu	Gly	Ile	Gln	Thr	Gln	Ser	Lys	Leu	Ile	Thr	Tyr	Ala	Gly
			85						90					95	
Cys	Ile	Thr	Gln	Met	Tyr	Phe	Phe	Thr	Val	Phe	Gly	Leu	Leu	Asp	Asn
			100					105						110	
Leu	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His
			115				120					125			
Pro	Leu	His	Tyr	Thr	Val	Leu	Met	Asn	Pro	Lys	Leu	Cys	Ser	Gln	Leu
	130					135					140				
Leu	Leu	Leu	Ala	Trp	Leu	Ile	Ser	Ile	Leu	Gly	Ala	Leu	Pro	Glu	Ser
145					150					155					160
Leu	Thr	Ala	Leu	Arg	Leu	Ser	Phe	Cys	Ala	Val	Val	Glu	Ile	Pro	His
			165					170						175	
Tyr	Phe	Cys	Glu	Leu	Pro	Glu	Val	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr
			180				185						190		
Phe	Ile	Asn	Asn	Val	Val	Leu	Tyr	Ile	Val	Thr	Gly	Ile	Met	Gly	Phe
		195				200					205				
Phe	Pro	Leu	Ala	Gly	Ile	Leu	Phe	Ser	Tyr	Ser	Gln	Ile	Val	Thr	Ser
	210					215					220				
Val	Leu	Arg	Ile	Ser	Thr	Val	Gly	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Cys	Leu
			245						250					255	
Gly	Val	Tyr	Leu	Ser	Ser	Ile	Trp	Thr	Gln	Ala	Ser	Trp	Ala	Gly	Val
		260					265						270		
Phe	Ala	Ser	Val	Leu	Tyr	Thr	Val	Val	Thr	Pro	Met	Met	Asn	Pro	Phe
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Arg	Ala	Leu	Asn	Thr	Leu
	290					295					300				
Leu	Cys	Ser	Val	Pro	Ser	Ser	Ser								
305					310										

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<212> PRT

<213> Mus musculus

<400> 1570

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Met Val Gln Gly Asn Trp Thr Ser Val Thr Val Phe Val Phe Leu Gly
 1          5          10          15
Phe Ser His Tyr Pro Arg Ile Glu Val Thr Val Phe Val Leu Cys Leu
          20          25          30
Leu Met Tyr Leu Ile Thr Leu Leu Gly Asn Thr Ile Leu Ile Ser Ile
          35          40          45
Thr Ile Leu Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Ser
          50          55          60
Asn Leu Ser Phe Leu Asp Ile Trp Tyr Thr Ser Ser Ala Leu Thr Pro
65          70          75          80
Met Leu Ala Asn Phe Val Ser Gly Lys Asn Thr Ile Ser Phe Ser Gly
          85          90          95
Cys Ala Ser Gln Met Tyr Phe Ser Leu Ala Met Gly Ser Thr Glu Cys
          100          105          110
Val Leu Leu Ser Met Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn
          115          120          125
Pro Leu Arg Tyr Pro Ile Ile Met Asn Arg Arg Val Phe Val Gln Ile
          130          135          140
Ala Gly Ser Ser Trp Val Thr Gly Cys Leu Thr Ala Leu Val Glu Thr
145          150          155          160
Gly Pro Val Ile His Leu Ser Leu Cys Gly Asn Ser Ile Ile Asn His
          165          170          175
Phe Thr Cys Glu Ile Leu Ala Leu Leu Lys Met Ala Cys Gly Asp Thr
          180          185          190
Ser Met Val Gln Leu Ile Met Leu Val Ile Ser Ile Leu Leu Leu Pro
          195          200          205
Leu Pro Met Leu Leu Ile Cys Val Ser Tyr Ala Ser Ile Leu Ser Asn
          210          215          220
Ile Leu Arg Ile Ser Ser Met Asp Gly Arg Ser Lys Ala Phe Ser Thr
225          230          235          240
Cys Ala Ala His Leu Thr Val Val Val Leu Phe Tyr Gly Thr Ala Leu
          245          250          255
Ser Met Tyr Leu Lys Pro Ser Ser Val Asn Ser Gln Glu Ile Asp Lys
          260          265          270
Phe Met Ala Leu Ile Tyr Ala Gly Leu Thr Pro Met Leu Asn Pro Ile
          275          280          285
Ile Tyr Ser Leu Arg Asn Lys Glu Val Lys Met Ala Val Lys Lys Leu
          290          295          300
Leu Met Arg Asn Pro Phe Ser Ala Ile Leu Thr Ser Val Leu Lys
305          310          315
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<210> 1571

<211> 316

<212> PRT

<213> Mus musculus

<400> 1571

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Met Glu Trp Glu Asn Arg Thr Tyr Leu Glu Glu Phe Phe Leu Lys Gly
 1          5          10          15
Leu Ser Gly Tyr Pro Gly Leu Glu His Leu Phe Phe Val Val Ile Leu
          20          25          30
Met Met Tyr Ala Val Ile Leu Val Gly Asn Gly Thr Leu Ile Ile Leu
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	35					40					45				
Ser	Ile	Phe	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gly
	50					55					60				
Asn	Leu	Ser	Phe	Leu	Asp	Ile	Cys	Phe	Thr	Thr	Ser	Ser	Ile	Pro	Phe
65					70					75					80
Thr	Leu	Val	Ser	Phe	Leu	Ser	Glu	Arg	Lys	Thr	Ile	Ser	Phe	Leu	Gly
				85					90					95	
Cys	Ala	Val	Gln	Met	Phe	Leu	Gly	Leu	Ala	Met	Gly	Thr	Thr	Glu	Cys
			100					105					110		
Val	Leu	Leu	Gly	Met	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Arg	Tyr	Pro	Leu	Ile	Met	Ser	Lys	Ser	Ser	Tyr	Val	Thr	Met
	130					135					140				
Ala	Thr	Gly	Ser	Trp	Phe	Ser	Gly	Val	Ala	Asn	Ser	Ala	Val	Gln	Thr
145					150					155					160
Ala	Phe	Val	Met	Arg	Leu	Pro	Phe	Cys	Gly	Asn	Val	Ile	Asn	His	Phe
				165					170					175	
Leu	Cys	Glu	Ile	Leu	Ala	Val	Met	Lys	Met	Ala	Cys	Thr	Asp	Ile	Ser
		180					185						190		
Gly	Asn	Glu	Phe	Ile	Met	Leu	Val	Ala	Thr	Thr	Leu	Phe	Thr	Leu	Met
	195					200					205				
Pro	Leu	Val	Leu	Ile	Val	Ile	Ser	Tyr	Ser	Leu	Ile	Ile	Ser	Ser	Ile
	210				215						220				
Leu	Ser	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ala	His	Phe	Thr	Val	Val	Ile	Ile	Phe	Tyr	Gly	Thr	Ile	Leu	Phe
				245					250					255	
Met	Tyr	Met	Lys	Pro	Lys	Ser	Lys	Asp	Lys	Phe	Asp	Ala	Asp	Asp	Leu
			260					265					270		
Asp	Ala	Thr	Asp	Lys	Leu	Ile	Ser	Met	Phe	Tyr	Gly	Val	Met	Thr	Pro
		275					280					285			
Leu	Met	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu
	290				295						300				
Ala	Ile	Lys	Asn	Leu	Lys	Gly	Arg	Leu	Leu	Gly	Lys				
305					310					315					

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 <212> PRT
 <213> Mus musculus

<400> 1572

Met	Glu	Asn	His	Thr	Leu	Leu	Asp	Glu	Phe	Ile	Leu	Leu	Gly	Ile	Pro
1				5					10					15	
Gln	Thr	Gln	Gly	Leu	Glu	Thr	Leu	Leu	Phe	Val	Val	Phe	Leu	Phe	Ile
		20						25					30		
Tyr	Ile	Phe	Thr	Leu	Leu	Gly	Asn	Leu	Leu	Ile	Phe	Thr	Ala	Ile	Val
		35					40					45			
Ser	Ser	Ser	Thr	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Leu	Leu
	50				55						60				
Ser	Ile	Phe	Asp	Met	Leu	Phe	Pro	Ser	Val	Thr	Cys	Pro	Lys	Met	Leu
65					70					75					80
Leu	Tyr	Leu	Ser	Gly	Lys	Ser	Pro	Ala	Ile	Ser	Tyr	Arg	Gly	Cys	Ile
				85					90					95	
Ala	Gln	Leu	Phe	Tyr	His	Phe	Leu	Gly	Ser	Thr	Glu	Gly	Cys	Leu	
		100						105					110		

Tyr Ser Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His Pro Leu
 115 120 125
 Arg Tyr Met Leu Ile Met Lys Pro Gly Val Cys Leu Gly Leu Val Ile
 130 135 140
 Val Ser Trp Leu Ile Gly Cys Leu Gln Ser Gly Ile Leu Thr Phe Phe
 145 150 155 160
 Thr Phe Gln Leu Thr Tyr Cys Gly Pro Asn His Val His His Phe Phe
 165 170 175
 Cys Asp Ile Pro Ala Val Leu Pro Leu Ala Cys Thr Asp Asn Lys Leu
 180 185 190
 Ala Arg Lys Val Gly Ser Ile Asn Val Gly Phe Leu Ala Leu Met Leu
 195 200 205
 Leu Phe Ser Val Cys Val Ser Tyr Val His Ile Gly Val Ala Ile Leu
 210 215 220
 Arg Ile Arg Ser Ala Glu Gly Arg Gln Lys Ala Phe Phe Thr Cys Ser
 225 230 235 240
 Ala His Leu Thr Ala Ile Leu Cys Ala Tyr Gly Pro Val Ile Ile Ile
 245 250 255
 Tyr Leu Gln Arg Thr Pro Asn Pro Leu Leu Gly Ala Val Val Gln Ile
 260 265 270
 Leu Asn Asn Ile Val Ser Pro Met Leu Asn Ser Leu Ile Tyr Ser Leu
 275 280 285
 Arg Asn Lys Glu Val Lys Arg Ala Leu Arg Arg Val Phe His Ser Leu
 290 295 300
 Ala
 305

<210> 1573
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1573
 Met Ser Ile Arg Asn His Ser Thr Val Thr Glu Phe Leu Leu Leu Gly
 1 5 10 15
 Leu Thr Glu Glu Pro Ala Leu Gln Leu Pro Leu Phe Cys Leu Phe Leu
 20 25 30
 Gly Ile Tyr Ile Val Thr Met Val Gly Asn Leu Gly Met Ile Ala Val
 35 40 45
 Ile Lys Leu Asn Ser Gln Leu His Thr Pro Met Tyr Tyr Phe Leu Ser
 50 55 60
 Ser Leu Ser Phe Leu Asp Phe Cys Tyr Ser Ser Val Val Thr Pro Lys
 65 70 75 80
 Met Leu Val Gly Phe Leu Ser Arg Asp Lys Ala Ile Ser Tyr Ser Asp
 85 90 95
 Cys Met Ala Gln Leu Phe Phe Phe Cys Ile Phe Val Ile Ser Glu Cys
 100 105 110
 Tyr Met Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Ser
 115 120 125
 Pro Leu Leu Tyr Ala Val Ile Met Ser Pro Arg Val Cys Ser Leu Leu
 130 135 140
 Val Ala Ala Val Phe Ser Val Gly Phe Thr Asp Ala Val Ile His Gly
 145 150 155 160
 Gly Cys Ile Leu Arg Leu Ser Phe Cys Lys Ser Asn Ile Ile Lys His
 165 170 175
 Tyr Phe Cys Asp Ile Val Pro Leu Ile Gln Leu Ser Cys Ser Ser Thr

305

<210> 1576
<211> 315
<212> PRT
<213> Mus musculus

<400> 1576
Met Gln Gly Ser Ser Tyr Glu Asn His Ser Ser Val Ser Glu Phe Ile
1 5 10 15
Leu Leu Gly Phe Ser Ser Asn Phe Gln Leu Asn Ile Ile Leu Phe Asn
20 25 30
Val Phe Phe Phe Leu Tyr Leu Ser Thr Leu Val Gly Asn Gly Leu Ile
35 40 45
Val Thr Leu Ile His Leu Asp Ser Arg Leu His Thr Pro Met Tyr Phe
50 55 60
Phe Leu Ser Val Leu Ser Met Leu Asp Met Ser Tyr Val Thr Thr Thr
65 70 75 80
Val Pro Gln Met Leu Val His Leu Leu Cys Gln Lys Lys Thr Ile Ser
85 90 95
Tyr Ser Gly Cys Val Ala Gln Met Tyr Ile Phe Leu Val Leu Gly Ile
100 105 110
Thr Glu Gly Trp Leu Phe Ser Val Met Ala Tyr Asp Arg Tyr Val Ala
115 120 125
Ile Cys His Pro Leu Arg Tyr Lys Val Ile Met Arg Pro Trp Leu Cys
130 135 140
Gly Ala Met Val Val Phe Cys Gly Leu Trp Gly Val Ser Cys Ser Leu
145 150 155 160
Ile Tyr Thr Val Phe Thr Met Arg Leu Pro Tyr Cys Gly Pro Asn Glu
165 170 175
Ile Asn His Phe Phe Cys Glu Val Pro Ala Val Leu Lys Leu Ala Cys
180 185 190
Ala Asp Thr Ser Leu Asn Asp Arg Ile Asp Phe Ile Leu Gly Phe Ile
195 200 205
Leu Leu Leu Val Pro Leu Ser Phe Ile Leu Ala Ser Tyr Val Cys Ile
210 215 220
Phe Ala Thr Ile Leu Arg Ile Arg Ser Ala Gln Gly Arg Leu Lys Ala
225 230 235 240
Phe Ser Thr Cys Ala Ser His Ile Thr Val Val Thr Met Phe Cys Gly
245 250 255
Pro Ala Met Phe Met Tyr Met Asn Pro Gly Ala Asn Ala Ser Pro Glu
260 265 270
Arg Asp Lys Lys Leu Ala Leu Phe Tyr Asn Val Ile Ser Ala Phe Leu
275 280 285
Asn Pro Ile Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Arg Ala Phe
290 295 300
Leu Lys Val Thr Gly Trp Gly Gly Ala Thr Glu
305 310 315

<210> 1577
<211> 309
<212> PRT
<213> Mus musculus

<400> 1577

Met Ala Asn Ser Thr Leu Val Pro Glu Phe Leu Leu Glu Val Phe Ala
 1 5 10 15
 Glu Thr Trp Glu Leu Arg Ile Leu Leu Thr Val Leu Phe Leu Leu Met
 20 25 30
 Tyr Leu Gly Ser Leu Leu Gly Asn Leu Ile Ile Ile Ile Ala Thr Thr
 35 40 45
 Val Asp His Ile Leu Asn Thr Pro Met Tyr Phe Phe Leu Arg Asn Leu
 50 55 60
 Ser Ile Leu Asp Met Gly Tyr Val Ser Val Thr Val Pro Asn Ala Cys
 65 70 75 80
 Ile Asn Ser Leu Thr Asp His Arg Ser Ile Ser Leu Ala Gly Cys Ala
 85 90 95
 Gly Gln Ile Phe Leu Val Phe Phe Ser Ala Cys Val Glu Ile Gln Phe
 100 105 110
 Leu Thr Ile Met Ala Gln Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu
 115 120 125
 Leu Tyr Ala Met Ile Met Asn His Gln Phe Cys Val Gln Met Thr Leu
 130 135 140
 Ala Ser Leu Leu Thr Ser Leu Ile Leu Ala Ser Val His Thr Ser Lys
 145 150 155 160
 Thr Phe Gln Leu Ser Phe Cys His Ser Asn Val Val Ser Gln Phe Phe
 165 170 175
 Cys Asp Ile Pro Ser Leu Leu Arg Leu Ser Cys Thr Asp Thr Phe Ile
 180 185 190
 Asn Lys Leu Leu Leu Leu Thr Ala Ile Val Phe Ser Gly Ser Cys
 195 200 205
 Phe Thr Phe Ile Ala Ile Ser Tyr Val Arg Ile Leu Ser Thr Val Leu
 210 215 220
 Lys Val Pro Val Lys Gly Glu Arg Gly Lys Ala Phe Ser Thr Cys Val
 225 230 235 240
 Pro His Ile Ile Val Val Ser Val Phe Leu Ser Ser Gly Ala Tyr Val
 245 250 255
 Tyr Leu Lys Pro Ser Ala Ile Ser Glu Ile Val Glu Asp Met Thr Leu
 260 265 270
 Ser Val Phe Tyr Thr Ile Val Pro Pro Phe Leu Asn Pro Ile Ile Tyr
 275 280 285
 Ser Leu Arg Asn Lys Gln Ile Lys Lys Ala Val Lys Lys Val Ile Phe
 290 295 300
 Arg Phe Phe Ile Val
 305

<210> 1578
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1578
 Met Glu Pro Ser Asn Arg Thr Ala Val Ser Glu Phe Val Leu Lys Gly
 1 5 10 15
 Phe Ser Gly Tyr Pro Ala Leu Glu Arg Leu Leu Phe Pro Leu Cys Ser
 20 25 30
 Val Met Tyr Leu Val Thr Leu Leu Gly Asn Thr Ala Ile Val Ala Val
 35 40 45
 Ser Met Leu Asp Ala Arg Leu His Thr Pro Met Tyr Phe Phe Leu Gly
 50 55 60
 Asn Leu Ser Ile Leu Asp Ile Cys Tyr Thr Ser Thr Phe Val Pro Leu

65					70					75				80
Met	Leu	Val	His	Leu	Leu	Ser	Ser	Arg	Lys	Thr	Ile	Ser	Phe	Thr
				85					90					95
Cys	Ala	Val	Gln	Met	Cys	Leu	Ser	Leu	Ser	Thr	Gly	Ser	Thr	Glu
			100					105					110	
Leu	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Cys
		115					120					125		Gln
Pro	Leu	Arg	Tyr	Pro	Val	Leu	Met	Ser	His	Arg	Leu	Cys	Leu	Met
	130					135					140			
Ala	Gly	Ala	Ser	Trp	Val	Leu	Cys	Leu	Phe	Lys	Ser	Val	Ala	Glu
145					150					155				160
Val	Ile	Ala	Met	Arg	Leu	Pro	Phe	Cys	Gly	His	His	Val	Ile	Arg
			165						170					175
Phe	Thr	Cys	Glu	Ile	Leu	Ala	Val	Leu	Lys	Leu	Thr	Cys	Gly	Asp
		180						185				190		Thr
Ser	Val	Ser	Asp	Ala	Phe	Leu	Leu	Val	Gly	Ala	Ile	Leu	Leu	Leu
	195					200					205			Pro
Ile	Pro	Leu	Thr	Leu	Ile	Cys	Leu	Ser	Tyr	Met	Leu	Ile	Leu	Ala
	210				215					220				Thr
Ile	Leu	Arg	Val	Pro	Ser	Ala	Thr	Gly	Arg	Ser	Lys	Ala	Phe	Ser
225				230					235					240
Cys	Ser	Ala	His	Leu	Ala	Val	Val	Leu	Leu	Phe	Tyr	Ser	Thr	Ile
			245						250					255
Phe	Met	Tyr	Met	Lys	Pro	Lys	Ser	Lys	Glu	Ala	Arg	Ile	Ser	Asp
		260				265						270		Gln
Val	Phe	Thr	Val	Leu	Tyr	Ala	Val	Val	Thr	Pro	Met	Leu	Asn	Pro
		275				280					285			Ile
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Glu	Ala	Ala	Arg	Lys
	290				295					300				Ala
Trp	Gly	Ser	Arg	Trp	Ala	Cys	Arg							
305					310									

<210> 1579
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1579

Met	Glu	Arg	Ser	Asn	Lys	Thr	Thr	Pro	Val	Ser	Ser	Phe	Ile	Leu	Leu
1				5				10						15	
Gly	Leu	Ser	Ala	His	Pro	Lys	Leu	Glu	Lys	Thr	Phe	Phe	Val	Leu	Ile
			20					25					30		
Leu	Leu	Met	Tyr	Leu	Val	Ile	Leu	Leu	Gly	Asn	Val	Val	Leu	Ile	Leu
		35				40						45			
Val	Ser	Ile	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Gly	Asn	Leu	Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Thr	Thr	Ser	Ser	Val	Pro
65					70				75					80	
Leu	Ile	Leu	Asp	Ser	Phe	Leu	Thr	Pro	Arg	Lys	Thr	Ile	Ser	Phe	Ser
			85					90					95		
Gly	Cys	Ala	Val	Gln	Met	Phe	Leu	Ser	Phe	Ala	Met	Gly	Ala	Thr	Glu
		100						105				110			
Cys	Val	Leu	Gly	Met	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	
	115					120					125				
Asn	Pro	Leu	Arg	Tyr	Pro	Val	Met	Ser	Lys	Ala	Ala	Tyr	Val	Pro	
	130					135					140				

Met	Ala	Ala	Gly	Ser	Trp	Val	Ser	Gly	Ser	Ile	Thr	Ala	Thr	Val	Gln
145					150					155					160
Ile	Ser	Leu	Ala	Met	Thr	Leu	Pro	Phe	Cys	Gly	Asp	Asn	Val	Ile	Asn
				165					170						175
His	Phe	Thr	Cys	Glu	Ile	Leu	Ala	Val	Leu	Lys	Leu	Ala	Cys	Ala	Asp
			180					185					190		
Ile	Ser	Ile	Asn	Val	Ile	Ser	Met	Ala	Val	Ala	Asn	Ala	Met	Phe	Leu
		195					200					205			
Gly	Val	Pro	Val	Leu	Phe	Ile	Phe	Val	Ser	Tyr	Ile	Phe	Ile	Leu	Ser
	210					215					220				
Thr	Ile	Leu	Arg	Ile	Pro	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ser	Ala	His	Leu	Thr	Val	Val	Leu	Val	Phe	Tyr	Gly	Thr	Ile
				245					250						255
Leu	Phe	Met	Tyr	Gly	Lys	Pro	Lys	Ser	Lys	Asp	Pro	Leu	Gly	Ala	Asp
		260					265						270		
Lys	Gln	Asp	Leu	Ala	Asp	Lys	Leu	Ile	Ser	Leu	Phe	Tyr	Gly	Val	Val
		275					280					285			
Thr	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val
	290					295					300				
Lys	Ala	Ala	Val	Thr	Asn	Leu	Val	Gly	Gln	Lys	His	Phe	Lys	Trp	
305					310					315					

<210> 1580

<211> 318

<212> PRT

<213> Mus musculus

<400> 1580

Met	Glu	Gly	Ala	Asn	Gln	Ser	Thr	Val	Ala	Glu	Phe	Val	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Asp	His	Pro	Lys	Leu	Glu	Lys	Thr	Phe	Phe	Val	Leu	Ile	Leu
			20					25					30		
Leu	Met	Tyr	Leu	Val	Ile	Leu	Leu	Gly	Asn	Gly	Val	Leu	Ile	Leu	Val
	35					40						45			
Ser	Ile	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gly
	50					55					60				
Asn	Leu	Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Thr	Thr	Ser	Ser	Ile	Pro	Leu
65					70					75					80
Val	Leu	Asp	Gly	Phe	Leu	Thr	Pro	Arg	Lys	Thr	Ile	Ser	Phe	Ser	Gly
				85					90					95	
Cys	Ala	Val	Gln	Met	Phe	Leu	Ser	Phe	Ala	Met	Gly	Ala	Thr	Glu	Cys
			100					105					110		
Val	Leu	Leu	Gly	Met	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
	115					120						125			
Pro	Leu	Arg	Tyr	Pro	Val	Val	Met	Asn	Lys	Ser	Ala	Tyr	Val	Pro	Met
	130					135					140				
Ala	Val	Ser	Ser	Trp	Val	Ala	Gly	Gly	Ala	Asn	Ser	Leu	Val	Gln	Ile
145					150					155					160
Ser	Leu	Ala	Val	Gln	Leu	Pro	Phe	Cys	Gly	Asp	Asn	Val	Ile	Asn	His
				165					170					175	
Phe	Thr	Cys	Glu	Ile	Leu	Ala	Val	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Ile
		180						185				190			
Ser	Ile	Asn	Val	Ile	Ser	Met	Gly	Val	Ala	Asn	Val	Ile	Phe	Leu	Gly
	195					200						205			
Val	Pro	Val	Leu	Phe	Ile	Phe	Val	Ser	Tyr	Ile	Phe	Ile	Leu	Ser	Thr

210		215		220
Ile Leu Arg Ile Pro Ser	Ala Glu Gly Arg Lys	Lys Ala Phe Ser Thr		
225		230		240
Cys Ser Ala His Leu Thr	Val Val Leu Val Phe Tyr Gly Thr	Ile Leu		
	245		250	255
Phe Met Tyr Gly Lys Pro Lys Ser Lys Asp	Pro Leu Gly Ala Asp Lys			
	260		265	270
Gln Asp Val Ser Asp Lys Leu Ile Ser Leu Phe Tyr Gly Val Leu Thr				
	275		280	285
Pro Met Leu Asn Pro Ile Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys				
	290		295	300
Ala Ala Val Arg Asn Leu Val Gly Gln Lys Cys Leu Ile Gln				
305		310		315

<210> 1581
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1581

Met Asp Glu Glu Asn Cys Ser Thr Val Ala Gln Phe Ile Leu Leu Gly	
1	5 10 15
Phe Ser Asp Val Pro Glu Leu Arg Gly Val Leu Ser Leu Leu Phe Leu	
	20 25 30
Leu Ile Tyr Gly Val Thr Ala Leu Ala Asn Leu Gly Met Thr Ala Leu	
	35 40 45
Ile Gln Val Ser Ser Gln Leu His Thr Pro Met Tyr Phe Phe Leu Ser	
	50 55 60
His Leu Ser Phe Val Asp Phe Cys Tyr Ser Ser Val Ile Val Pro Lys	
65	70 75 80
Met Leu Ala Asn Ile Phe Asn Lys Asp Lys Ala Ile Ser Phe Leu Ala	
	85 90 95
Cys Met Val Gln Phe Tyr Leu Phe Cys Thr Cys Val Val Thr Glu Val	
	100 105 110
Phe Leu Leu Ala Val Met Ala Tyr Asp Arg Phe Val Ala Ile Cys Asn	
	115 120 125
Pro Leu Leu Tyr Thr Ala Thr Met Ser Ser Asp Leu Arg Met Ile Leu	
	130 135 140
Val Ser Gly Cys Tyr Leu Cys Ala Ser Met Cys Ser Leu Ile His Leu	
145	150 155 160
Cys Leu Ala Leu Glu Ile Pro Ser Phe Lys Ser Asn Val Ile Asn His	
	165 170 175
Phe Phe Cys Asp Leu Pro Pro Leu Leu Ser Leu Ala Cys Ser Asp Val	
	180 185 190
Thr Val Asn Lys Val Leu Leu Phe Val Val Ala Thr Phe Asn Glu Ser	
	195 200 205
Phe Ser Ile Val Val Ile Phe Thr Ser Tyr Leu Phe Ile Leu Ile Thr	
	210 215 220
Ile Leu Arg Met Arg Ser Val Glu Gly Arg Arg Lys Ala Phe Ser Thr	
225	230 235 240
Cys Ala Ser His Leu Thr Val Ile Ile Val Phe His Gly Thr Ile Leu	
	245 250 255
Ser Ile Tyr Cys Ser Ser Thr Ser Asp Asn Ser Gly Asp Ala Asp Lys	
	260 265 270
Val Ala Thr Val Phe Tyr Thr Val Val Ile Pro Met Leu Asn Pro Leu	
	275 280 285

Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Arg	Lys	Val
290						295					300				
Val	Asn	Ser	Lys	Ile	Tyr	Ser	Gln								
305					310										

<210> 1582
 <211> 321
 <212> PRT
 <213> Mus musculus

Met	Leu	Leu	Thr	Tyr	Gly	Asn	Asn	Ser	Gly	Ala	Met	Phe	Ile	Leu	Leu
1				5					10					15	
Ser	Phe	Ser	Asp	Tyr	Pro	Glu	Ile	Glu	Met	Pro	Leu	Phe	Leu	Val	Phe
			20					25					30		
Leu	Ala	Ile	Tyr	Ser	Ile	Thr	Val	Val	Gly	Asn	Ile	Gly	Met	Ile	Val
			35				40					45			
Ile	Ile	Arg	Ile	Asn	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
						55					60				
Ser	His	Leu	Ser	Phe	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Val	Ile	Ala	Pro
65					70					75					80
Lys	Met	Leu	Val	Asn	Leu	Phe	Ile	Lys	Asn	Arg	Ala	Ile	Ser	Phe	Leu
				85					90					95	
Glu	Cys	Ile	Val	Gln	Tyr	Phe	Phe	Phe	Ala	Ile	Phe	Val	Val	Thr	Glu
			100					105					110		
Thr	Ile	Leu	Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys
			115				120					125			
Arg	Pro	Leu	Leu	Tyr	Thr	Val	Ala	Met	Ser	Gln	Lys	Leu	Cys	Ile	Ser
						135					140				
Leu	Val	Val	Gly	Ser	Tyr	Ala	Trp	Gly	Leu	Ile	Cys	Ser	Leu	Thr	Met
145					150					155					160
Thr	Cys	Ser	Ile	Ile	Gln	Leu	Ser	Phe	Val	Gly	Ile	Asn	Thr	Ile	Asp
					165				170					175	
His	Phe	Phe	Cys	Glu	Phe	Ser	Ser	Leu	Leu	Val	Leu	Ser	Cys	Ser	Asp
			180					185					190		
Thr	His	Val	Asn	Gln	Ile	Leu	Leu	Phe	Ser	Leu	Ser	Thr	Val	Asn	Ala
			195				200					205			
Leu	Ser	Thr	Leu	Leu	Ile	Ile	Leu	Leu	Ser	Tyr	Met	Phe	Ile	Leu	Val
						215					220				
Thr	Ile	Leu	Lys	Met	Gln	Ser	Ser	Arg	Gly	Arg	Gln	Lys	Ala	Phe	Tyr
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Thr	Thr	Ile	Thr	Ile	Phe	Tyr	Gly	Thr	Ile
				245					250					255	
Leu	Phe	Leu	Tyr	Ser	Val	Pro	Asn	Ser	Lys	Asn	Ser	Gln	Leu	Thr	Phe
			260					265					270		
Lys	Val	Ala	Ser	Leu	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro
			275				280					285			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asp	Thr	Val	Arg	Gln
			290			295					300				
Ile	Met	Lys	Ile	Lys	Phe	Ile	Ala	Leu	Pro	His	Leu	Ser	Ser	Lys	Val
305					310					315					320
Arg															

<210> 1583

<211> 308
 <212> PRT
 <213> Mus musculus

<400> 1583

Met	Asp	Glu	Glu	Asn	Ile	Thr	Glu	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10				15		
Phe	Thr	Glu	Asp	Ala	Val	Leu	Gln	Gln	Val	Leu	Phe	Phe	Ile	Phe	Leu
		20					25					30			
Thr	Ile	Tyr	Ile	Ile	Ser	Leu	Leu	Gly	Asn	Ile	Thr	Leu	Ile	Ser	Leu
	35					40					45				
Ile	Cys	Ala	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Gly
50						55				60					
Asn	Leu	Ser	Phe	Leu	Asp	Leu	Trp	Tyr	Ser	Ser	Val	Tyr	Ala	Pro	Lys
65				70					75					80	
Ile	Leu	Ile	Thr	Cys	Ile	Thr	Glu	Asp	Lys	Ser	Ile	Ser	Phe	Ala	Gly
			85					90					95		
Cys	Leu	Ala	Gln	Phe	Phe	Phe	Ser	Ala	Gly	Leu	Ala	Tyr	Ser	Glu	Cys
		100						105				110			
Tyr	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ser	Asn
	115					120					125				
Pro	Leu	Leu	Tyr	Phe	Gln	Ala	Met	Ser	Pro	Arg	Leu	Arg	Ala	Ser	Leu
	130				135						140				
Val	Ala	Ala	Ser	Tyr	Leu	Gly	Gly	Phe	Ala	Asn	Ser	Thr	Ile	Ile	Thr
145				150					155					160	
Ser	Glu	Thr	Phe	Thr	Leu	Ser	Phe	Cys	Arg	Asp	Asn	Ile	Ile	Asp	Asp
			165					170					175		
Phe	Phe	Cys	Asp	Leu	Pro	Pro	Leu	Val	Lys	Leu	Ala	Cys	Asp	Val	Lys
		180						185				190			
Glu	Ser	Tyr	Gln	Ala	Val	Leu	Tyr	Phe	Ile	Leu	Ala	Ser	Asn	Val	Ile
	195					200					205				
Thr	Pro	Thr	Val	Leu	Ile	Leu	Ala	Ser	Tyr	Leu	Phe	Ile	Ile	Val	Ala
	210					215					220				
Ile	Leu	Lys	Ile	Arg	Ser	Thr	Gln	Gly	Arg	Leu	Lys	Ala	Phe	Ser	Thr
225				230					235					240	
Cys	Gly	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Tyr	Tyr	Gly	Ser	Ile	Leu
			245					250					255		
Phe	Ile	Tyr	Ser	Arg	Pro	Ser	Thr	Ser	Tyr	Ala	Leu	Glu	Arg	Asp	Lys
		260					265					270			
Val	Val	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Met
	275					280					285				
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asp	Ala	Leu	Arg	Lys	Met
	290				295						300				
Leu	Asp	Ile	Val												
305															

<210> 1584
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1584

Met	Lys	Glu	His	Asn	Leu	Thr	Val	Met	Thr	Glu	Phe	Ile	Leu	Met	Gly
1				5					10				15		
Ile	Ser	Asp	His	Ser	Glu	Leu	Gln	Ala	Pro	Leu	Phe	Gly	Leu	Phe	Leu
		20						25				30			

Ala	Ile	Tyr	Met	Thr	Ser	Met	Val	Gly	Asn	Leu	Gly	Ile	Ile	Val	Leu
	35						40					45			
Thr	Thr	Val	Asp	Ser	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg
	50					55					60				
His	Leu	Ala	Ile	Thr	Asp	Leu	Gly	Tyr	Ser	Thr	Ala	Val	Gly	Pro	Lys
65					70					75					80
Met	Leu	Glu	Asn	Phe	Val	Val	Asp	Gln	Asn	Thr	Ile	Ser	Phe	Asn	Leu
			85						90					95	
Cys	Ala	Thr	Gln	Leu	Ala	Phe	Phe	Leu	Val	Phe	Ile	Gly	Ser	Glu	Leu
			100					105						110	
Phe	Ile	Leu	Ser	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
	115						120					125			
Pro	Leu	Leu	Tyr	Thr	Val	Leu	Met	Ser	Gln	Lys	Leu	Cys	Trp	Val	Leu
	130					135					140				
Met	Ser	Met	Pro	Tyr	Leu	Tyr	Cys	Thr	Phe	Val	Ser	Leu	Leu	Ile	Thr
145					150					155					160
Val	Lys	Ile	Phe	Thr	Ser	Ser	Phe	Cys	Gly	Tyr	Asn	Val	Ile	Asn	His
				165					170					175	
Phe	Tyr	Cys	Asp	Cys	Ile	Pro	Leu	Leu	Ser	Leu	Leu	Cys	Ser	His	Ala
			180					185					190		
Glu	Glu	Ile	Ala	Phe	Ile	Val	Met	Ile	Phe	Ala	Ala	Phe	Asp	Leu	Ile
	195						200					205			
Val	Ser	Leu	Leu	Ile	Val	Leu	Val	Ser	Tyr	Met	Phe	Ile	Leu	Ile	Ala
	210					215					220				
Val	Leu	Arg	Met	Asn	Ser	Ala	Glu	Gly	Arg	Tyr	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Thr	Val	Phe	Tyr	Gly	Thr	Leu	Ile
				245					250					255	
Phe	Met	Tyr	Val	Gln	Pro	Gln	Ser	Ser	His	Ser	Asp	Asp	Asn	Asp	Lys
			260					265					270		
Val	Ser	Ser	Ile	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Phe	Ala	Leu	His	Arg	Thr
	290					295					300				
Trp	Arg	Asn	Ile	Cys	Lys	Ile	Phe	Pro							
305					310										

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 <213> Mus musculus

<400> 1585															
Met	Glu	Lys	Asn	Asn	Leu	Thr	Ala	Val	Thr	Gln	Phe	Ile	Leu	Met	Gly
1				5					10				15		
Ile	Thr	Glu	Arg	Pro	Glu	Leu	Gln	Ala	Pro	Leu	Phe	Gly	Leu	Phe	Leu
			20					25					30		
Val	Ile	Tyr	Leu	Ser	Ser	Met	Phe	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu
		35					40					45			
Thr	Thr	Val	Asp	Ser	Lys	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Arg
	50					55					60				
His	Leu	Ala	Ile	Thr	Asp	Leu	Gly	Tyr	Ser	Thr	Ala	Val	Gly	Pro	Lys
65					70					75					80
Met	Leu	Val	Asn	Phe	Val	Val	Asp	Leu	Asn	Ile	Ile	Ser	Tyr	Asn	Leu
				85					90					95	
Cys	Ala	Thr	Gln	Leu	Ala	Phe	Phe	Leu	Val	Phe	Ile	Ile	Ser	Glu	Leu

Ile	Leu	Ala	Leu	Ser	Cys	Ser	Asp	Thr	Tyr	Asn	Ala	Glu	Ala	Thr	Ile
			180					185					190		
Phe	Val	Leu	Ala	Gly	Ser	Thr	Leu	Leu	Leu	Ser	Leu	Ile	Thr	Ile	Ser
		195					200					205			
Ala	Ser	Tyr	Val	Ser	Ile	Leu	Ser	Thr	Ile	Leu	Lys	Ile	Asn	Ser	Ser
	210					215					220				
Ser	Gly	Lys	His	Lys	Ala	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Ile	Gly
225					230					235					240
Val	Thr	Val	Phe	Tyr	Gly	Thr	Thr	Ile	Phe	Thr	Tyr	Leu	Lys	Pro	Ser
			245						250					255	
Thr	Ser	Tyr	Ser	Leu	Gly	Lys	Asp	Gln	Val	Ala	Pro	Val	Phe	Tyr	Thr
			260					265						270	
Ile	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys
		275					280					285			
Glu	Val	Lys	Ser	Ala	Val	Val	Arg	Val	Met	Lys	Lys	Arg	Glu	Cys	Ile
	290					295					300				
Gln	Lys	Leu	Lys												
305															

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 <212> PRT
 <213> Mus musculus

<400> 1587

Met	Arg	Val	Trp	Asn	His	Thr	Gly	Val	Lys	Glu	Phe	Met	Leu	Leu	Gly
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Leu	Thr	Glu	Asn	Pro	Asn	Cys	Gln	Val	Pro	Leu	Phe	Leu	Leu	Phe	Ser
			20					25					30		
Ile	Val	Tyr	Leu	Ile	Ile	Leu	Val	Gly	Asn	Trp	Gly	Met	Ile	Ile	Leu
		35					40					45			
Ile	Trp	Leu	Asn	Ala	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Cys	Asp	Ile	Cys	Tyr	Ser	Thr	Val	Ile	Ala	Pro	Lys
65					70					75					80
Met	Leu	Ile	Asp	Phe	Leu	Ser	Glu	His	Lys	Ser	Ser	Thr	Phe	Phe	Gly
			85						90					95	
Cys	Val	Leu	Gln	Ser	Phe	Phe	Phe	Ala	Val	Tyr	Ile	Thr	Thr	Glu	Gly
			100					105					110		
Ile	Leu	Leu	Ser	Met	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ala	Asn
		115					120					125			
Pro	Leu	Met	Tyr	Thr	Val	Ile	Met	Thr	His	Arg	Ile	Cys	Ser	Gln	Met
	130					135					140				
Val	Leu	Ala	Cys	Tyr	Leu	Gly	Gly	Leu	Ile	Asn	Ser	Leu	Thr	His	Thr
145					150					155					160
Ile	Gly	Leu	Leu	Arg	Leu	Asp	Phe	Cys	Gly	Pro	Asn	Ile	Val	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Ala
			180					185					190		
His	Ile	Asn	Glu	Met	Leu	Leu	Leu	Val	Phe	Ser	Gly	Val	Ile	Ala	Ile
		195					200					205			
Phe	Thr	Phe	Ile	Ile	Val	Met	Val	Ser	Tyr	Ile	His	Ile	Ile	Ile	Ala
	210					215					220				
Ile	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Ile	Leu	Phe	Tyr	Gly	Ser	Val	Thr

				245					250				255				
Phe	Ser	Tyr	Ile	Gln	Pro	Ser	Ser	Gln	Tyr	Ser	Met	Glu	Gln	Glu	Lys		
			260					265					270				
Val	Ser	Ala	Val	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu		
		275					280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Ala	Lys	Lys	Phe		
	290					295					300						
Ile	Gly	Arg	Glu	Arg	Arg	Thr	Ser										
305					310												

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 <213> Mus musculus

<400> 1588

Met	Ser	Ala	Cys	Asn	His	Thr	Asn	Glu	Pro	Glu	Phe	Thr	Leu	Val	Gly		
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Leu	Thr	Asp	Ser	Lys	Glu	Ile	Gln	Leu	Val	Leu	Ser	Val	Leu	Phe	Leu		
		20					25						30				
Leu	Ile	Tyr	Met	Leu	Thr	Val	Leu	Gly	Asn	Ile	Gly	Met	Ile	Leu	Ile		
	35					40					45						
Ile	His	Leu	Asp	Val	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Thr		
	50				55						60						
His	Leu	Ser	Phe	Leu	Asp	Leu	Ser	Tyr	Ser	Thr	Val	Ile	Thr	Pro	Lys		
65				70					75					80			
Thr	Leu	Gln	Asn	Thr	Leu	Thr	Ser	Ile	Lys	Asn	Ile	Ser	Phe	Met	Gly		
			85					90						95			
Cys	Phe	Thr	Gln	Leu	Tyr	Phe	Phe	Val	Leu	Leu	Ala	Ala	Ser	Glu	Cys		
		100					105						110				
Phe	Ile	Leu	Ser	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn		
	115				120						125						
Pro	Leu	His	Tyr	Pro	Val	Ile	Met	Ser	Pro	Arg	Arg	Ser	Tyr	Thr	Leu		
	130				135						140						
Ile	Thr	Val	Ser	Tyr	Met	Ile	Gly	Val	Leu	Asp	Ser	Ser	Val	Thr	Val		
145				150					155					160			
Phe	Cys	Leu	Ser	Thr	Leu	Asp	Phe	Cys	Asn	Ser	Lys	Val	Ile	His	His		
			165				170						175				
Phe	Phe	Cys	Asp	Thr	Phe	Pro	Ile	Leu	Ala	Leu	Ser	Cys	Ser	Asp	Thr		
		180					185						190				
Tyr	Asn	Ala	Glu	Ala	Thr	Ile	Phe	Val	Leu	Ala	Gly	Ser	Thr	Leu	Leu		
	195					200					205						
Leu	Ser	Leu	Ile	Thr	Ile	Ser	Ser	Ser	Tyr	Val	Ser	Ile	Leu	Ser	Thr		
	210				215						220						
Ile	Leu	Lys	Ile	Asn	Ser	Ser	Ser	Gly	Lys	His	Lys	Ala	Phe	Ser	Thr		
225				230					235					240			
Cys	Ala	Ser	His	Leu	Ile	Gly	Val	Thr	Val	Phe	Tyr	Gly	Thr	Met	Ile		
			245					250					255				
Phe	Thr	Tyr	Leu	Lys	Pro	Ser	Thr	Ser	Tyr	Ser	Leu	Gly	Lys	Asp	Gln		
		260					265						270				
Val	Ala	Ser	Val	Phe	Tyr	Thr	Ile	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu		
		275					280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ser	Ala	Val	Val	Arg	Val		
	290				295						300						
Met	Lys	Lys	Arg	Glu	Cys	Ile	Gln	Lys	Leu	Glu							
305					310					315							

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 <213> Mus musculus

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 Met Glu Lys Ala Val Leu Ile Asn Gln Thr Ser Val Met Ser Phe Arg
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 Leu Thr Gly Leu Ser Thr Asn Pro Lys Val Gln Met Ala Ile Phe Phe
 20 25 30
 Ile Phe Leu Ile Phe Tyr Val Leu Thr Leu Val Gly Asn Ile Leu Ile
 35 40 45
 Val Val Thr Ile Ile His Asp His Arg Leu His Thr Pro Met Tyr Phe
 50 55 60
 Phe Leu Ser Asn Leu Ser Phe Ile Asp Val Cys His Ser Thr Val Thr
 65 70 75 80
 Val Pro Lys Met Leu Ser Asp Thr Phe Ser Glu Glu Lys Leu Ile Ser
 85 90 95
 Phe Asp Asp Cys Val Val Gln Ile Phe Phe Leu His Leu Phe Ala Cys
 100 105 110
 Thr Glu Ile Phe Leu Leu Thr Val Met Ala Tyr Asp Arg Tyr Val Ala
 115 120 125
 Ile Cys Lys Pro Leu Arg Tyr Met Thr Ile Met Asn Trp Lys Val Cys
 130 135 140
 Met Val Leu Gly Gly Ala Met Trp Thr Ala Gly Thr Ile His Ser Ile
 145 150 155 160
 Ser Phe Thr Ser Leu Thr Ile Lys Leu Pro Tyr Cys Gly Pro Asn Glu
 165 170 175
 Leu Asp Ser Phe Phe Cys Asp Val Pro Gln Val Ile Glu Leu Ala Cys
 180 185 190
 Thr Asp Thr Arg Ile Thr Glu Ile Leu Val Val Ser Asn Ser Gly Met
 195 200 205
 Ile Ser Met Val Cys Phe Val Ile Ile Val Val Ser Tyr Ala Val Ile
 210 215 220
 Leu Val Ser Leu Arg Gln Gln Ile Ser Asp Gly Lys Arg Lys Ala Leu
 225 230 235 240
 Ser Thr Cys Ala Ala His Leu Thr Val Val Thr Leu Phe Leu Gly His
 245 250 255
 Cys Ile Phe Ile Tyr Ser Arg Pro Ala Ile Ser Leu Pro Glu Asp Lys
 260 265 270
 Ile Val Ser Ala Phe Phe Thr Ala Ile Thr Pro Leu Leu Asn Pro Ile
 275 280 285
 Ile Tyr Thr Phe Arg Asn Glu Asp Met Lys Ser Ala Leu Lys Lys Leu
 290 295 300
 Ile Arg Arg Lys Glu Gly Lys Glu Lys
 305 310

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 Met Ala Thr Ser Ser Thr Thr Leu Asn Tyr Thr Asn Val Arg Asp Ile

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Trp	Tyr	Thr	Met	Ile	Gly	Ile	Pro	Gly	Leu	Glu	Tyr	Ala	His	Ile	Trp		
			20					25					30				
Ile	Ser	Ile	Pro	Ile	Cys	Ser	Met	Tyr	Ile	Val	Ala	Ile	Ala	Gly	Asn		
		35					40					45					
Ala	Leu	Leu	Leu	Phe	Leu	Ile	Ile	Thr	Glu	Arg	Ser	Leu	His	Glu	Pro		
	50					55					60						
Met	Tyr	Leu	Phe	Leu	Ser	Met	Leu	Ala	Leu	Ala	Asp	Ile	Phe	Leu	Ser		
65					70					75					80		
Thr	Val	Thr	Thr	Pro	Lys	Met	Leu	Ala	Ile	Phe	Trp	Phe	Arg	Ala	Gly		
				85					90					95			
Gly	Ile	Ser	Phe	Ala	Ser	Cys	Val	Ser	Gln	Met	Phe	Phe	Leu	His	Phe		
			100					105					110				
Ile	Phe	Val	Ala	Glu	Ser	Ala	Ile	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg		
		115					120					125					
Tyr	Val	Ala	Ile	Cys	Tyr	Pro	Leu	Arg	Tyr	Thr	Thr	Ile	Leu	Thr	Thr		
	130					135					140						
Ser	Val	Ile	Ile	Lys	Met	Gly	Ile	Ala	Ala	Val	Ile	Arg	Ser	Phe	Phe		
145					150					155					160		
Ile	Cys	Phe	Pro	Leu	Ile	Phe	Leu	Val	Tyr	Arg	Leu	Thr	Tyr	Cys	Gly		
			165					170						175			
Lys	Ser	Thr	Ile	Arg	His	Ser	Tyr	Cys	Glu	His	Met	Gly	Ile	Ala	Arg		
		180					185						190				
Leu	Ala	Cys	Asp	Ser	Ile	Lys	Val	Asn	Ile	Tyr	Tyr	Gly	Val	Ile	Val		
	195					200						205					
Ala	Leu	Phe	Ser	Thr	Cys	Leu	Asp	Ala	Val	Leu	Ile	Ile	Val	Ser	Tyr		
	210					215					220						
Ala	Leu	Ile	Leu	Cys	Ala	Val	Phe	Arg	Ile	Pro	Ser	Arg	Asp	Ala	Arg		
225					230					235					240		
Leu	Lys	Ala	Leu	Gly	Thr	Cys	Gly	Ser	His	Val	Cys	Val	Ile	Leu	Leu		
			245					250						255			
Phe	Tyr	Thr	Pro	Ala	Phe	Phe	Ser	Phe	Phe	Ala	His	Arg	Phe	Gly	Gly		
		260					265						270				
His	Ser	Ile	Pro	Leu	His	Val	His	Ile	Leu	Leu	Ala	Asn	Leu	Tyr	Val		
		275					280					285					
Val	Val	Pro	Pro	Ser	Val	Asn	Pro	Ile	Ile	Tyr	Gly	Val	Lys	Thr	Lys		
	290					295					300						
Gln	Ile	Gln	Glu	Arg	Val	Ile	Gln	Val	Phe	Ser	Leu	Gly	Lys				
305					310					315							

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<400> 1591

Met	Leu	Gly	Trp	Ser	Asn	Gly	Thr	Tyr	Asn	Glu	Ser	Tyr	Thr	Ser	Phe		
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Leu	Leu	Met	Gly	Phe	Pro	Gly	Met	Gln	Glu	Ala	Arg	Ala	Leu	Leu	Val		
		20					25						30				
Leu	Pro	Phe	Leu	Ser	Leu	Tyr	Leu	Val	Ile	Leu	Phe	Thr	Asn	Ala	Leu		
	35					40					45						
Val	Ile	His	Thr	Val	Ala	Ser	Gln	Arg	Ser	Leu	His	Gln	Pro	Met	Tyr		
	50					55					60						
Leu	Leu	Ile	Ala	Leu	Leu	Leu	Ala	Val	Asn	Ile	Cys	Ala	Ala	Thr	Thr		
65					70					75					80		

Val	Leu	Pro	Pro	Met	Leu	Phe	Ser	Phe	Ser	Thr	Arg	Phe	Asn	Arg	Ile	
				85					90					95		
Ser	Leu	Pro	Arg	Cys	Leu	Gly	Gln	Met	Phe	Cys	Ile	Tyr	Phe	Leu	Val	
			100					105					110			
Ser	Met	Asp	Cys	Asn	Ile	Leu	Leu	Val	Met	Ala	Leu	Asp	Arg	Tyr	Val	
		115					120					125				
Ala	Ile	Cys	Tyr	Pro	Leu	Arg	Tyr	Pro	Glu	Ile	Val	Thr	Gly	Gln	Leu	
	130					135					140					
Leu	Ala	Gly	Leu	Val	Val	Leu	Ala	Val	Thr	Arg	Ser	Thr	Ser	Ile	Val	
145					150					155					160	
Ala	Pro	Val	Val	Val	Leu	Ala	Ser	Arg	Val	Arg	Phe	Cys	Arg	Ser	Asp	
				165					170						175	
Val	Ile	Arg	His	Phe	Ala	Cys	Glu	His	Met	Ala	Leu	Met	Lys	Leu	Ser	
			180					185					190			
Cys	Gly	Asp	Ile	Ser	Leu	Asn	Lys	Thr	Ala	Gly	Leu	Ile	Ile	Arg	Thr	
		195					200					205				
Phe	Asn	Arg	Val	Leu	Asp	Met	Leu	Leu	Leu	Gly	Thr	Ser	Tyr	Ser	Arg	
	210					215					220					
Ile	Ile	His	Ala	Ala	Phe	Arg	Ile	Ser	Ser	Gly	Gly	Ala	Arg	Ser	Lys	
225				230						235					240	
Ala	Leu	Asn	Thr	Cys	Gly	Ser	His	Leu	Leu	Val	Ile	Phe	Thr	Val	Tyr	
				245					250					255		
Ser	Ser	Thr	Met	Ser	Ser	Ser	Ile	Val	Tyr	Arg	Val	Ala	Arg	Thr	Ala	
			260					265					270			
Ser	Gln	Asp	Val	His	Asn	Leu	Leu	Ser	Ala	Phe	Tyr	Leu	Leu	Leu	Pro	
		275					280					285				
Cys	Leu	Val	Asn	Pro	Ile	Ile	Tyr	Gly	Ala	Arg	Thr	Lys	Glu	Ile	Arg	
	290					295					300					
Gln	His	Leu	Val	Arg	Ser	Phe	Leu	Ser	Ala	Gly	Pro					
305					310					315						

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 <213> Mus musculus

<400> 1592

Met	Glu	Met	Thr	Asn	Asp	Ser	Met	Leu	Thr	Glu	Phe	Leu	Leu	Val	Gly	
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Leu	Ser	Asp	His	Pro	Lys	Leu	Gln	Thr	Val	Leu	Phe	Val	Leu	Val	Leu	
			20					25					30			
Cys	Met	Tyr	Leu	Met	Ile	Leu	Leu	Gly	Asn	Gly	Val	Leu	Ile	Ala	Val	
		35					40					45				
Val	Ile	His	Asp	Ile	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys	
	50					55					60					
Asn	Leu	Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Thr	Ser	Ser	Ser	Val	Pro	Leu	
65					70				75						80	
Ile	Leu	Ser	Ser	Phe	Leu	Thr	Val	Arg	Lys	Arg	Val	Ser	Phe	Ser	Glu	
				85				90						95		
Cys	Met	Ile	Gln	Met	Phe	Phe	Ser	Phe	Ala	Met	Gly	Ala	Thr	Glu	Cys	
			100					105					110			
Val	Leu	Leu	Gly	Thr	Met	Ala	Leu	Asp	Arg	Phe	Met	Ala	Ile	Cys	Tyr	
		115					120					125				
Pro	Leu	Arg	Tyr	Pro	Val	Ile	Met	Ser	Lys	Asp	Thr	Tyr	Val	Pro	Met	
	130					135					140					
Ala	Ala	Gly	Cys	Trp	Val	Ala	Gly	Leu	Val	Asp	Ser	Val	Val	Gln	Thr	

145		150		155		160									
Ser	Leu	Ala	Val	Gln	Leu	Pro	Phe	Cys	Thr	Asn	Asn	Val	Ile	His	His
		165		170		175									
Phe	Val	Cys	Glu	Ile	Leu	Gly	Ile	Leu	Glu	Leu	Ala	Cys	Ala	Asp	Ile
		180		185		190									
Ser	Ile	Asn	Val	Ile	Ser	Leu	Thr	Gly	Ser	Asn	Leu	Leu	Phe	Leu	Ala
		195		200		205									
Val	Pro	Leu	Leu	Val	Ile	Ala	Val	Ser	Tyr	Met	Phe	Ile	Ile	Ala	Thr
		210		215		220									
Ile	Leu	Arg	Ile	Pro	Ser	Ala	Glu	Gly	Lys	Arg	Lys	Ala	Phe	Ser	Thr
225				230		235									240
Cys	Ser	Ala	His	Leu	Thr	Val	Val	Ile	Ile	Phe	Tyr	Gly	Thr	Ile	Phe
				245		250									255
Ser	Met	Tyr	Ala	Lys	Pro	Lys	Ser	Lys	Asp	Thr	Ala	Gly	Ala	Gly	His
				260		265									270
Gln	Ser	Val	Met	Glu	Ala	Leu	Ile	Ser	Leu	Phe	Tyr	Gly	Val	Met	Thr
				275		280									285
Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys
				290		295									300
Ala	Ala	Val	Gln	Asn	Met	Leu	Gly	Arg	Lys	Thr	Leu	Ser	Lys	Met	
305				310						315					

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<400> 1593

Met	Lys	Phe	Thr	Glu	Ile	Arg	Ala	Glu	Asp	Asn	Ala	Ser	Thr	Val	Thr
1				5				10						15	
Glu	Phe	Leu	Leu	Leu	Gly	Phe	Ser	Asp	Leu	Pro	Asn	Leu	Gln	Gly	Ile
				20				25					30		
Leu	Phe	Gly	Met	Phe	Ser	Ile	Ile	Tyr	Leu	Ile	Ile	Leu	Val	Gly	Asn
				35				40					45		
Ser	Phe	Ile	Ile	Val	Ile	Thr	Arg	Ile	Asp	Pro	Ala	Leu	Gln	Lys	Pro
				50				55					60		
Met	Tyr	Phe	Phe	Leu	Ala	Asn	Phe	Ser	Ser	Leu	Glu	Ile	Cys	Tyr	Val
65				70				75					80		
Ser	Val	Thr	Leu	Pro	Arg	Ile	Leu	Phe	Ser	Ile	Ala	Thr	Gln	Glu	Arg
				85				90					95		
Lys	Ile	Ser	Val	Leu	Ser	Cys	Ala	Thr	Gln	Leu	Cys	Phe	Phe	Leu	Met
				100				105					110		
Leu	Ala	Ala	Thr	Glu	Cys	Phe	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg
				115				120					125		
Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	His	Tyr	Pro	Leu	Val	Met	Asn	Pro
				130				135					140		
Thr	Lys	Cys	Thr	Gln	Leu	Ala	Ala	Ala	Ser	Trp	Leu	Gly	Gly	Ile	Pro
145				150				155							160
Val	Gln	Ile	Gly	Gln	Thr	Cys	Gln	Ile	Phe	Ser	Leu	His	Phe	Cys	Asn
				165				170							175
Ser	Thr	Gln	Ile	Asn	His	Phe	Leu	Cys	Asp	Ile	Pro	Pro	Ile	Leu	Lys
				180				185					190		
Leu	Ala	Cys	Gly	Asp	Thr	Ser	Ile	Asn	Glu	Leu	Ser	Val	Tyr	Leu	Val
				195				200					205		
Ala	Ile	Leu	Phe	Ala	Ala	Val	Pro	Phe	Met	Leu	Ile	Leu	Ala	Ser	Tyr
				210				215					220		

Gly	Lys	Ile	Ile	Ala	Thr	Ile	Leu	Lys	Leu	Pro	Thr	Ala	Thr	Gly	Arg
225					230					235					240
Ala	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Leu	Val	Val	Phe	Leu
				245					250						255
Phe	Phe	Gly	Ser	Ala	Thr	Ile	Thr	Tyr	Leu	Arg	Pro	Lys	Ser	Thr	His
			260					265					270		
Ser	Pro	Gly	Thr	Asp	Lys	Leu	Phe	Ser	Leu	Phe	Tyr	Ser	Ile	Val	Thr
		275						280				285			
Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ile
	290					295					300				
Ala	Ala	Leu	Arg	Lys	Leu	Leu	Arg	Ile	Lys						
305						310									

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<400> 1594

Met	Lys	Phe	Thr	Glu	Ile	Arg	Ala	Glu	Asp	Asn	Ala	Ser	Thr	Gly	Thr
1				5					10					15	
Glu	Phe	Leu	Leu	Gly	Phe	Ser	Asp	Leu	Pro	Asn	Leu	Gln	Glu	Ile	
			20				25					30			
Leu	Phe	Gly	Leu	Phe	Ser	Ile	Ile	Tyr	Leu	Ile	Ile	Leu	Ile	Gly	Asn
		35				40						45			
Ser	Phe	Ile	Ile	Val	Ile	Thr	Arg	Ile	Asp	Pro	Ala	Leu	Gln	Lys	Pro
	50					55					60				
Met	Tyr	Phe	Phe	Leu	Ala	Asn	Phe	Ser	Ser	Leu	Glu	Ile	Cys	Tyr	Val
65					70					75					80
Ser	Val	Thr	Leu	Pro	Arg	Ile	Leu	Phe	Asn	Ile	Ala	Thr	Gln	Asp	Arg
				85					90					95	
Ser	Ile	Ser	Val	Val	Ser	Cys	Ala	Thr	Gln	Met	Cys	Phe	Phe	Leu	Met
			100					105					110		
Leu	Gly	Ala	Thr	Glu	Cys	Phe	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg
	115					120						125			
Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	His	Tyr	Pro	Leu	Val	Met	Asn	Pro
	130					135					140				
Thr	Lys	Cys	Thr	Gln	Leu	Ala	Ala	Ala	Ser	Trp	Leu	Gly	Gly	Ile	Pro
145					150					155					160
Val	Gln	Ile	Gly	Gln	Thr	Cys	Gln	Ile	Phe	Ser	Leu	His	Phe	Cys	Asn
			165						170					175	
Ser	Asn	Gln	Ile	Asp	His	Phe	Phe	Cys	Asp	Leu	Pro	Pro	Ile	Leu	Lys
		180						185					190		
Leu	Ala	Cys	Gly	Asp	Thr	Ser	Ile	His	Glu	Leu	Ser	Val	Tyr	Leu	Val
	195						200					205			
Ala	Met	Leu	Phe	Val	Ala	Phe	Pro	Phe	Leu	Leu	Ile	Leu	Ala	Ser	Tyr
	210					215					220				
Thr	Lys	Ile	Ile	Ala	Thr	Ile	Leu	Lys	Leu	Pro	Thr	Ala	Thr	Gly	Arg
225					230					235					240
Ala	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Leu	Val	Val	Phe	Leu
				245					250						255
Phe	Phe	Gly	Ser	Ala	Thr	Ile	Thr	Tyr	Leu	Arg	Pro	Lys	Ser	Thr	His
			260					265					270		
Ser	Pro	Gly	Thr	Asp	Lys	Leu	Leu	Ser	Leu	Phe	Tyr	Thr	Ile	Val	Thr
		275						280				285			
Pro	Met	Phe	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ile

290		295		300
Ala	Ala	Leu	Arg	Lys
305		Leu	Leu	His
		310	Ile	Lys

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<400> 1595

Met	Glu	Lys	Lys	Asn	Cys	Ser	Ser	Val	Asp	Glu	Phe	Ile	Phe	Leu	Gly
1				5					10					15	
Ile	Thr	Lys	Asn	Pro	Asp	Met	Arg	Val	Thr	Phe	Phe	Thr	Thr	Leu	Leu
			20					25					30		
Leu	Val	Tyr	Leu	Ile	Asn	Leu	Leu	Ala	Asn	Leu	Gly	Met	Ile	Ile	Leu
		35					40					45			
Ile	Arg	Val	Asn	Thr	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ser	Phe	Cys	Asp	Leu	Cys	Tyr	Ser	Thr	Ala	Ile	Gly	Pro	Lys
65					70					75					80
Met	Leu	Val	Asp	Leu	Leu	Val	Glu	Glu	Lys	Ser	Ile	Pro	Ile	Val	Gly
			85						90					95	
Cys	Ala	Leu	Gln	Phe	Phe	Thr	Phe	Cys	Ile	Phe	Ala	Asp	Ser	Glu	Cys
			100					105					110		
Leu	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Gln	Ala	Ile	Ser	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Thr	Val	Asn	Met	Ser	Ser	Arg	Leu	Cys	Ser	Leu	Leu
		130				135					140				
Met	Ala	Gly	Val	Tyr	Leu	Val	Gly	Thr	Ala	Asp	Ala	Leu	Ile	His	Thr
145					150					155					160
Thr	Leu	Thr	Phe	Arg	Leu	Cys	Phe	Cys	Gly	Ser	Asn	Glu	Ile	Asn	His
			165						170					175	
Phe	Phe	Cys	Asp	Val	Pro	Pro	Leu	Leu	Leu	Ile	Ser	Cys	Ser	Asp	Thr
			180				185						190		
Glu	Val	Asn	Glu	Leu	Ala	Ile	Phe	Thr	Ile	Phe	Gly	Phe	Ile	Glu	Leu
		195				200					205				
Ser	Thr	Ile	Ser	Gly	Val	Leu	Val	Ser	Tyr	Cys	Tyr	Ile	Ile	Ser	Ser
	210				215					220					
Val	Leu	Lys	Ile	Gly	Ser	Ala	Glu	Gly	Arg	Phe	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Ala	Val	Phe	Gln	Gly	Thr	Met	Leu
			245						250					255	
Phe	Met	Tyr	Phe	Arg	Pro	Ser	Ser	Ala	Tyr	Ser	Leu	Asp	Gln	Asp	Lys
			260				265						270		
Met	Thr	Ser	Leu	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Val	Val	Lys	Leu
	290					295					300				
Lys	Asn	Lys	Trp												
305															

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<400> 1596

Met	Glu	Asn	Ser	Thr	Ser	Val	Asp	Glu	Phe	Leu	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Ser	Val	Gln	Lys	Leu	Gln	Pro	Ile	Ile	Phe	Val	Met	Phe	Leu	Thr	Ile
		20						25					30		
Tyr	Leu	Leu	Asn	Leu	Val	Gly	Asn	Gly	Val	Ile	Leu	Met	Ile	Val	Thr
	35						40					45			
Leu	Glu	Arg	Arg	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Asn	Leu
	50					55					60				
Ser	Cys	Leu	Asp	Ile	Cys	Tyr	Ser	Ser	Val	Thr	Leu	Pro	Lys	Val	Leu
65					70					75					80
Ile	Asn	Leu	Leu	Ser	Arg	Arg	Arg	Ala	Ile	Ser	Phe	Leu	Gly	Cys	Ile
				85					90					95	
Thr	Gln	Leu	Tyr	Phe	Phe	His	Phe	Leu	Gly	Ser	Thr	Glu	Ala	Ile	Leu
		100						105					110		
Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Ile	Cys	Ser	Pro	Leu
		115					120					125			
Arg	Tyr	Thr	Ala	Ile	Met	Asn	Pro	Gln	Leu	Cys	Ile	Leu	Leu	Ala	Ala
	130					135					140				
Thr	Ala	Trp	Phe	Thr	Ser	Phe	Phe	Tyr	Ala	Leu	Leu	His	Ser	Val	Met
145					150					155					160
Thr	Ala	His	Leu	Asn	Phe	Cys	His	Ser	His	Lys	Leu	Ser	His	Phe	Phe
				165					170					175	
Cys	Asp	Val	Lys	Pro	Leu	Leu	Glu	Val	Ala	Cys	Gly	Asn	Thr	Val	Leu
		180						185					190		
Asn	Gln	Trp	Leu	Leu	Ser	Val	Val	Thr	Gly	Ser	Ile	Ser	Met	Gly	Ala
		195					200						205		
Phe	Leu	Leu	Ile	Leu	Leu	Ser	Tyr	Phe	Tyr	Ile	Ile	Ala	Phe	Leu	Leu
	210					215					220				
Phe	Lys	Asn	Arg	Ser	Cys	Arg	Met	Leu	Lys	Lys	Ala	Leu	Ser	Thr	Cys
225					230					235					240
Thr	Ser	His	Phe	Met	Val	Val	Cys	Leu	Phe	Tyr	Gly	Pro	Val	Gly	Phe
				245					250					255	
Thr	Tyr	Ile	Arg	Pro	Ala	Thr	Ala	Ser	Ala	Ser	Ser	Met	Ser	Glu	Asp
		260					265						270		
Arg	Val	Val	Ala	Ile	Ile	Tyr	Ser	Ala	Val	Thr	Pro	Val	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Met	Leu	Ala	Leu	Lys	Lys
	290					295					300				
Asn	Phe	Gly	Lys	Lys	Leu	Phe	Lys	Gly	Asn						
305					310										

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<212> PRT

<213> Mus musculus

<400> 1597

Met	Ser	Asn	Gln	Thr	Ser	Val	Thr	Glu	Phe	Leu	Leu	Leu	Gly	Val	Thr
1				5					10					15	
Asp	Ile	Gln	Glu	Leu	Asn	Pro	Ile	Leu	Phe	Val	Ile	Phe	Phe	Thr	Ile
		20						25					30		
Tyr	Phe	Ile	Asn	Ile	Thr	Gly	Asn	Gly	Ala	Ile	Leu	Met	Ile	Val	Ile
	35					40					45				
Leu	Asp	Pro	Arg	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Asn	Leu

50		55		60	
Ala Cys Leu Asp Ile Ser Tyr Ser Thr Val Thr Val Pro Lys Leu Leu					
65		70		75	80
Gln Asn Leu Leu Ser Thr Ser Lys Ala Ile Ser Phe Leu Gly Cys Ile					
	85		90		95
Thr Gln Leu His Phe Phe His Phe Leu Gly Ser Thr Glu Thr Met Leu					
	100		105		110
Leu Pro Val Met Ala Phe Asp Arg Phe Val Ala Ile Cys Arg Pro Leu					
	115		120		125
His Tyr Ser Val Ile Met Asn His Gln Leu Cys Ile His Met Thr Val					
	130		135		140
Thr Ile Trp Thr Leu Gly Phe Phe His Ala Leu Leu His Ser Val Met					
145		150		155	160
Thr Ser Arg Leu Ser Phe Cys Gly Pro Asn His Val His His Phe Phe					
	165		170		175
Cys Asp Ile Lys Pro Leu Leu Asp Leu Ala Cys Gly Asn Thr Glu Leu					
	180		185		190
Asn Leu Trp Leu Leu Asn Thr Val Thr Gly Thr Ile Ala Leu Thr Ser					
	195		200		205
Phe Phe Leu Ile Phe Leu Ser Tyr Phe Tyr Ile Ile Thr Asn Leu Leu					
	210		215		220
Leu Lys Thr Arg Ser Cys Ser Met Leu His Lys Ala Leu Ser Thr Cys					
225		230		235	240
Ala Ser His Phe Met Val Val Val Leu Phe Tyr Ala Pro Val Leu Phe					
	245		250		255
Thr Tyr Ile Arg Pro Ala Ser Gly Ser Ser Leu Asp Gln Asp Thr Ile					
	260		265		270
Ile Ala Ile Met Tyr Ser Val Val Thr Pro Ala Leu Asn Pro Leu Ile					
	275		280		285
Tyr Thr Leu Arg Asn Lys Glu Val Arg Ser Ala Leu Asn Arg Lys Val					
	290		295		300
Arg Arg Trp Leu					
305					

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<400> 1598	
Met Leu Asn Gln Thr Ser Val Thr Glu Phe Ile Leu Leu Gly Val Arg	
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Asp Ile Gln Glu Pro Gln Pro Phe Leu Phe Ala Ile Phe Phe Thr Ile	
	20
Tyr Phe Val Asn Ile Thr Gly Asn Gly Ala Ile Leu Met Ile Val Ile	
	35
Leu Asp Pro Arg Leu His Ser Pro Met Tyr Phe Phe Leu Gly Asn Leu	
	50
Ala Cys Leu Asp Ile Ser Tyr Ser Thr Val Thr Val Pro Lys Met Leu	
65	70
Glu Asn Leu Leu Ser Thr Asn Lys Ala Ile Ser Leu Leu Gly Cys Ile	
	85
Thr Gln Leu His Phe Phe His Phe Leu Gly Thr Thr Glu Ser Leu Leu	
	100
Leu Ala Val Met Ala Phe Asp Arg Phe Val Ala Ile Cys Arg Pro Leu	
	115
	120
	125

His	Tyr	Ser	Val	Ile	Met	Asn	Trp	Gln	Val	Cys	Ile	Leu	Met	Ala	Val
130						135					140				
Thr	Ile	Trp	Thr	Ile	Ala	Phe	Leu	His	Ala	Leu	Leu	His	Ser	Val	Met
145					150					155					160
Thr	Ser	Arg	Leu	Ser	Phe	Cys	Gly	Leu	Asn	His	Ile	His	His	Phe	Phe
				165					170					175	
Cys	Asp	Val	Lys	Pro	Leu	Leu	Glu	Leu	Ala	Cys	Gly	Asn	Thr	Glu	Leu
		180					185						190		
Asn	Leu	Trp	Leu	Leu	Asn	Thr	Val	Thr	Gly	Thr	Ile	Ala	Ser	Val	Pro
	195					200						205			
Phe	Phe	Leu	Thr	Phe	Leu	Ser	Tyr	Phe	Tyr	Ile	Ile	Thr	Tyr	Leu	Phe
210					215					220					
Leu	Lys	Thr	Arg	Ser	Cys	Ser	Met	Leu	His	Lys	Ala	Leu	Ser	Thr	Cys
225					230					235					240
Ala	Ser	His	Phe	Met	Val	Val	Val	Leu	Phe	Tyr	Ala	Pro	Val	Leu	Phe
				245					250					255	
Thr	Tyr	Ile	Arg	Pro	Thr	Ser	Gly	Ser	Ser	Leu	Asp	Gln	Asp	Arg	Ile
		260					265					270			
Ile	Ala	Ile	Met	Tyr	Ser	Val	Val	Thr	Pro	Ala	Leu	Asn	Pro	Leu	Ile
	275					280						285			
Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Arg	Ser	Ala	Leu	Asn	Arg	Lys	Val
290					295						300				
Arg	Arg	Cys	Leu	Leu	Leu	Glu	Glu	Ile							
305					310										

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<400> 1599

Met	Ala	Leu	Ile	Asn	Lys	Ser	His	Pro	Glu	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Phe	Ala	Asp	Arg	Pro	Trp	Leu	Glu	Leu	Pro	Leu	Phe	Ile	Ile	Leu	Leu
		20					25					30			
Val	Thr	Tyr	Pro	Thr	Ala	Met	Ile	Gly	Asn	Ile	Ala	Ile	Ile	Leu	Val
	35					40					45				
Ser	Ile	Leu	Asp	Pro	Cys	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Thr
	50				55					60					
Asn	Leu	Ser	Phe	Leu	Asp	Met	Cys	Tyr	Thr	Thr	Ser	Ile	Val	Pro	Gln
65				70					75					80	
Met	Leu	Thr	Asn	Leu	Gly	Ser	Ser	Thr	Lys	Thr	Ile	Ser	Tyr	Met	Arg
			85					90					95		
Cys	Val	Val	Gln	Leu	Tyr	Phe	Phe	His	Ile	Met	Gly	Gly	Thr	Glu	Cys
		100					105						110		
Val	Leu	Leu	Ala	Leu	Met	Ser	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
	115					120					125				
Pro	Leu	His	Tyr	Thr	Leu	Ile	Met	Asn	Gln	Arg	Asn	Cys	Ile	Leu	Leu
	130				135						140				
Val	Ser	Thr	Val	Trp	Leu	Thr	Gly	Ile	Ser	Tyr	Ala	Val	Ser	Glu	Ala
145				150					155					160	
Thr	Val	Thr	Leu	Gln	Leu	Pro	Leu	Cys	Gly	His	Asn	Lys	Leu	Asp	His
			165				170						175		
Leu	Val	Cys	Glu	Ile	Pro	Ile	Leu	Ile	Lys	Thr	Ala	Cys	Gly	Glu	Lys
	180					185					190				
Glu	Thr	Asn	Glu	Leu	Ala	Leu	Ser	Val	Val	Cys	Ile	Phe	Leu	Leu	Ala

Phe	Met	Ala	Leu	Phe	Tyr	Gly	Val	Val	Thr	Pro	Thr	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Gly	Lys	Leu
	290					295					300				
Phe	Arg	Asn	Ile	Phe	Ile	Ser	Lys								
305					310										

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<212> PRT

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<400> 1601

Met	Asp	Asp	Met	Thr	Ser	Gly	Asn	Tyr	Cys	Thr	Val	Thr	Glu	Phe	Phe
1				5					10					15	
Leu	Ala	Gly	Leu	Ser	Glu	Lys	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Phe
			20					25					30		
Leu	Phe	Ile	Gly	Ile	Tyr	Met	Ile	Thr	Val	Ala	Gly	Asn	Leu	Gly	Met
		35					40					45			
Ile	Ile	Leu	Ile	Gly	Leu	Ser	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Tyr
	50					55					60				
Phe	Leu	Ser	Ser	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Gln	Ser	Thr	Val	Val
65					70					75					80
Thr	Pro	Lys	Met	Leu	Val	Asn	Phe	Val	Thr	Glu	Lys	Asn	Ile	Ile	Ser
			85						90					95	
Tyr	Pro	Gly	Cys	Met	Thr	Gln	Leu	Tyr	Phe	Phe	Leu	Ile	Phe	Ala	Ile
			100					105					110		
Ala	Glu	Cys	Tyr	Ile	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Asn	Val	Thr	Met	Ser	Tyr	Gln	Ile	Tyr
	130					135					140				
Ile	Ser	Leu	Ile	Ser	Gly	Val	Tyr	Ile	Ile	Gly	Val	Ile	Cys	Ala	Ser
145					150					155					160
Ala	His	Thr	Gly	Phe	Met	Val	Arg	Ile	Arg	Phe	Cys	Lys	Leu	Asp	Val
			165						170					175	
Ile	Asn	His	Tyr	Phe	Cys	Asp	Leu	Leu	Pro	Leu	Leu	Lys	Leu	Ala	Cys
		180						185					190		
Ser	Asn	Thr	Tyr	Ile	Asn	Glu	Met	Leu	Ile	Leu	Phe	Phe	Gly	Thr	Leu
	195					200						205			
Asn	Ile	Phe	Val	Pro	Ile	Leu	Thr	Ile	Ile	Thr	Ser	Tyr	Ile	Phe	Ile
	210					215					220				
Ile	Ala	Ser	Ile	Leu	Arg	Ile	Arg	Ser	Thr	Glu	Gly	Arg	Ser	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Ser	Ser	His	Ile	Leu	Ala	Val	Ala	Val	Phe	Phe	Gly
			245						250					255	
Ser	Leu	Ala	Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Val	Ser	Ser	Met	Asp
		260						265					270		
Gln	Gly	Lys	Val	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Val	Val	Pro	Met	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Ala	Val	Ala	Leu
	290					295					300				
Lys	Lys	Ile	Ile	Glu	Arg	Lys	Thr	Phe	Met						
305					310										

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<400> 1602

Met	Ala	Ala	Gly	Asn	Arg	Cys	Thr	Val	Thr	Glu	Phe	Phe	Leu	Val	Gly
1				5					10					15	
Leu	Ser	Glu	Lys	Ser	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Thr
			20					25					30		
Gly	Ile	Tyr	Leu	Ile	Thr	Val	Ala	Gly	Asn	Leu	Gly	Met	Ile	Thr	Leu
		35					40					45			
Ile	Gly	Leu	Ser	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Ser
	50					55					60				
Ser	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Gln	Ser	Thr	Val	Val	Ile	Pro	Lys
65					70					75					80
Met	Leu	Met	Ser	Phe	Leu	Thr	Glu	Lys	Asn	Ile	Ile	Ser	Tyr	Ser	Gly
				85					90					95	
Cys	Met	Ala	Gln	Leu	Tyr	Phe	Phe	Leu	Ile	Phe	Gly	Ile	Ala	Glu	Cys
			100					105					110		
Tyr	Thr	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Asn	Val	Thr	Met	Ser	Tyr	Gln	Ile	Tyr	Ser	Ser	Leu
	130					135					140				
Ile	Ser	Gly	Ile	Tyr	Ile	Phe	Ala	Val	Phe	Cys	Ser	Ser	Leu	Asn	Thr
145					150					155					160
Gly	Phe	Met	Leu	Arg	Thr	Gln	Phe	Cys	Asn	Leu	Asp	Val	Ile	Asn	His
				165					170					175	
Tyr	Phe	Cys	Asp	Leu	Leu	Pro	Leu	Leu	Asn	Leu	Ala	Ser	Ser	Asn	Thr
			180					185					190		
Phe	Ile	Ile	Glu	Ile	Leu	Ile	Leu	Val	Ile	Ala	Thr	Leu	Asn	Val	Phe
	195						200					205			
Ile	Pro	Val	Leu	Thr	Ile	Ile	Thr	Ser	Tyr	Ile	Phe	Ile	Ile	Ala	Thr
	210					215					220				
Ile	Leu	Cys	Ile	His	Ser	Arg	Glu	Gly	Lys	Phe	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ser	Ala	Val	Ala	Ile	Phe	Tyr	Gly	Ser	Gly	Ala
				245					250					255	
Phe	Thr	Tyr	Leu	Gln	Pro	Ser	Ser	Leu	Asn	Ser	Met	Gly	Gln	Ala	Lys
			260					265					270		
Val	Ser	Ser	Val	Phe	Tyr	Thr	Thr	Val	Val	Pro	Met	Leu	Asn	Pro	Leu
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Gly	Cys	Gln	Tyr	Phe	Ile	Glu	Glu	Asn
	290					295					300				

Thr
 305

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 <213> Mus musculus

<400> 1603

Met	Arg	Asn	Cys	Thr	Leu	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly	Ile	Pro
1				5				10					15		
Tyr	Thr	Ala	Gly	Leu	Glu	Arg	Met	Leu	Phe	Val	Leu	Phe	Leu	Ser	Phe
			20					25					30		

Tyr	Leu	Leu	Thr	Leu	Pro	Gly	Asn	Leu	Leu	Ile	Leu	Met	Ala	Ile	Leu
	35						40					45			
Thr	Ser	Ala	Ser	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Asn	Leu
	50					55					60				
Ser	Val	Leu	Asp	Ile	Phe	Phe	Pro	Ser	Val	Ser	Ser	Pro	Lys	Met	Met
65					70				75						80
Leu	Ser	Leu	Thr	Gly	His	Ser	His	Thr	Ile	Ser	Tyr	Gln	Gly	Cys	Ala
				85					90					95	
Ser	Gln	Leu	Phe	Phe	Tyr	His	Phe	Leu	Gly	Cys	Ala	Glu	Cys	Phe	Leu
			100					105					110		
Tyr	Thr	Val	Met	Ala	Tyr	Asp	Arg	Phe	Ala	Ala	Ile	Cys	His	Pro	Leu
	115						120					125			
Arg	Tyr	Thr	Val	Ile	Met	Ser	Ser	Trp	Val	Cys	Gly	Ser	Met	Ala	Val
	130					135					140				
Ala	Thr	Trp	Met	Gly	Ser	Cys	Leu	His	Ala	Ser	Val	Leu	Thr	Phe	Leu
145					150					155					160
Ile	Phe	Lys	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Glu	Val	Asp	Asn	Phe	Phe
				165					170					175	
Cys	Asp	Ile	Pro	Val	Val	Leu	Pro	Leu	Ala	Cys	Ala	Asp	Thr	Ser	Leu
			180					185					190		
Ala	Gln	Ala	Val	Ser	Phe	Ile	Asn	Val	Gly	Leu	Val	Ala	Leu	Val	Cys
	195						200					205			
Phe	Leu	Leu	Ile	Leu	Ile	Ser	Tyr	Ser	Arg	Ile	Val	Ile	Ser	Ile	Leu
	210					215					220				
Lys	Ile	Arg	Ser	Ser	Glu	Gly	Arg	Arg	Arg	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ala	His	Leu	Thr	Ser	Ile	Leu	Leu	Phe	Tyr	Gly	Pro	Val	Val	Leu	Ile
				245					250					255	
Tyr	Leu	Arg	Pro	Ala	Ser	Ser	Pro	Trp	Leu	Asp	Ser	Val	Val	Gln	Val
			260					265					270		
Leu	Asn	Asn	Ile	Val	Thr	Pro	Ser	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu
	275						280					285			
Arg	Asn	Lys	Glu	Val	Lys	Val	Ala	Leu	Arg	Lys	Ala	Leu	Thr	Gln	Gly
	290					295					300				
Met	Arg	Val	Pro	Gly	Glu										
305					310										

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 <212> PRT
 <213> Mus musculus

<400> 1604

Met	Thr	Pro	Gly	Met	Val	Ser	Glu	Asn	Asn	Ser	Ser	Val	Lys	Glu	Phe
1				5					10					15	
Ile	Leu	Leu	Gly	Leu	Thr	Gln	Leu	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe
			20					25					30		
Phe	Leu	Phe	Leu	Gly	Ile	Tyr	Val	Phe	Ser	Met	Val	Gly	Asn	Leu	Gly
		35				40						45			
Leu	Ile	Val	Leu	Ile	Val	Leu	Asn	Pro	Pro	Leu	His	Thr	Pro	Met	Tyr
	50					55					60				
Tyr	Phe	Leu	Phe	Asn	Leu	Ser	Phe	Thr	Asp	Leu	Cys	Tyr	Ser	Ser	Val
65					70				75						80
Ile	Thr	Pro	Lys	Met	Leu	Val	Gly	Phe	Val	Lys	Gln	Asn	Ile	Ile	Ser
				85					90					95	
His	Ala	Glu	Cys	Met	Thr	Gln	Leu	Phe	Phe	Phe	Ala	Phe	Phe	Val	Ile

Tyr	Phe	Cys	Asp	Ile	Tyr	Pro	Leu	Leu	Glu	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
Phe	Ile	Asn	Glu	Val	Val	Leu	Leu	Cys	Phe	Ser	Val	Phe	Asn	Phe	Leu
		195					200					205			
Ile	Pro	Thr	Leu	Thr	Ile	Leu	Ser	Ser	Tyr	Ile	Phe	Ile	Ile	Ala	Ser
	210					215					220				
Ile	Leu	Arg	Ile	Lys	Ser	Thr	Glu	Gly	Arg	Tyr	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ser	Ala	Val	Ala	Ile	Phe	Phe	Gly	Ser	Thr	Ala
			245						250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Val	Asn	Ser	Met	Asp	Gln	Gly	Lys
			260					265					270		
Val	Ser	Ser	Val	Phe	Tyr	Ser	Ile	Val	Val	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Leu	Asn	Lys	Phe
	290					295					300				
Phe	Glu	Arg	Lys	Phe	Phe	Leu									
305						310									

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 <212> PRT
 <213> Mus musculus

<400> 1606

Met	Gly	Lys	Glu	Asn	His	Thr	Glu	Leu	Ser	Gln	Phe	Leu	Leu	Leu	Gly
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Leu	Ser	Asp	Asp	Pro	Lys	Leu	Gln	Pro	Ile	Leu	Phe	Gly	Ile	Phe	Leu
		20						25					30		
Phe	Met	Tyr	Leu	Val	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala
	35						40					45			
Val	Ser	Ser	Asp	Ser	His	Leu	His	Asn	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Val	Asp	Met	Cys	Phe	Thr	Ser	Thr	Thr	Val	Pro	Lys
65					70					75					80
Met	Leu	Val	Asn	Ile	Gln	Thr	Lys	Asn	Lys	Asn	Ile	Ser	Tyr	Met	Gln
			85						90					95	
Cys	Leu	Thr	Gln	Val	Tyr	Phe	Phe	Met	Val	Phe	Ala	Gly	Met	Asp	Asn
		100						105					110		
Phe	Leu	Leu	Thr	Val	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Ile	Cys	His
	115						120					125			
Pro	Leu	Asn	Tyr	Thr	Val	Ile	Met	Asn	Pro	His	Phe	Cys	Cys	Phe	Leu
	130					135					140				
Val	Leu	Met	Cys	Trp	Ile	Ile	Ile	Leu	Ser	Val	Ser	Leu	Phe	His	Ser
145					150					155					160
Leu	Leu	Met	Lys	Gln	Leu	Thr	Phe	Ser	Met	Gly	Thr	Glu	Ile	Pro	His
			165						170					175	
Phe	Phe	Cys	Glu	Leu	Ala	Gln	Ile	Leu	Arg	Val	Ala	Ser	Ser	Asp	Ile
		180						185						190	
Leu	Ile	Asn	Asn	Ile	Ala	Leu	Tyr	Val	Ala	Thr	Ala	Leu	Leu	Cys	Val
	195						200					205			
Phe	Pro	Val	Thr	Gly	Ile	Leu	Phe	Ser	Tyr	Ser	Gln	Ile	Val	Ser	Ser
	210					215					220				
Leu	Leu	Asn	Met	Ser	Ser	Val	Val	Ser	Lys	Tyr	Arg	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Cys	Val	Val	Cys	Leu	Phe	Tyr	Gly	Thr	Ala	Leu

				245					250				255				
Gly	Val	Tyr	Leu	Ser	Ser	Ala	Gly	Thr	Asp	Val	Ser	Gln	Gly	Ser	Thr		
			260					265					270				
Ile	Ala	Ser	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe		
		275					280					285					
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Val	Arg	Ile		
	290				295						300						
Leu	Lys	Val	Tyr	Ser	Cys	Pro											
305					310												

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 <213> Mus musculus

<400> 1607

Met	Asp	Lys	Asn	Asn	Gln	Thr	Phe	Val	Ser	Glu	Phe	Leu	Leu	Leu	Gly		
1			5					10					15				
Leu	Ala	Gly	Tyr	Pro	Lys	Thr	Glu	Ile	Ile	Tyr	Phe	Val	Ile	Val	Leu		
		20					25						30				
Val	Met	Tyr	Leu	Val	Ile	Leu	Thr	Gly	Asn	Gly	Val	Leu	Ile	Ile	Ala		
	35				40							45					
Ser	Ile	Phe	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gly		
	50				55					60							
Asn	Leu	Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Thr	Thr	Ser	Ser	Val	Pro	Ser		
65				70					75					80			
Thr	Leu	Val	Ser	Leu	Ile	Ser	Lys	Lys	Arg	Asn	Ile	Ser	Phe	Ser	Gly		
			85					90						95			
Cys	Ala	Val	Gln	Met	Phe	Phe	Gly	Phe	Ala	Met	Gly	Ser	Thr	Glu	Cys		
		100					105						110				
Leu	Leu	Leu	Gly	Met	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn		
	115					120					125						
Pro	Leu	Arg	Tyr	Ser	Ile	Ile	Met	Ser	Lys	Glu	Val	Tyr	Val	Phe	Met		
	130				135				140								
Ala	Ser	Ala	Ser	Trp	Phe	Ser	Gly	Ser	Ile	Asn	Ser	Val	Val	Gln	Thr		
145				150				155						160			
Ser	Leu	Ala	Met	Arg	Leu	Pro	Phe	Cys	Gly	Asn	Asn	Val	Ile	Asn	His		
		165					170						175				
Phe	Thr	Cys	Glu	Val	Leu	Ala	Val	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Ile		
	180					185						190					
Ser	Leu	Asn	Ile	Ile	Thr	Met	Val	Ile	Ser	Asn	Met	Ala	Phe	Leu	Val		
	195				200						205						
Leu	Pro	Leu	Leu	Val	Ile	Phe	Ser	Tyr	Leu	Phe	Ile	Leu	His	Thr			
	210				215					220							
Ile	Leu	Arg	Met	Asn	Ser	Ala	Thr	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr		
225				230					235					240			
Cys	Ser	Ala	His	Leu	Thr	Val	Val	Ile	Ile	Phe	Tyr	Gly	Thr	Ile	Phe		
		245						250					255				
Ser	Met	Tyr	Ala	Lys	Pro	Lys	Ser	Gln	Asp	Leu	Thr	Gly	Gln	Asp	Lys		
	260						265					270					
Phe	Gln	Thr	Ser	Asp	Lys	Ile	Ile	Ser	Leu	Phe	Tyr	Gly	Val	Val	Thr		
	275					280						285					
Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys		
	290				295						300						
Ala	Ala	Val	Lys	Tyr	Ile	Leu	Lys	Gln	Lys	Tyr	Val	Pro					
305					310						315						

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 <212> PRT
 <213> Mus musculus

<400> 1608

Met	Glu	Cys	Lys	Arg	Asn	Ile	Ser	Glu	Phe	Leu	Leu	Met	Gly	Leu	Ser
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Ser	Lys	Arg	Asn	Ile	Glu	Val	Phe	Cys	Phe	Leu	Phe	Phe	Ser	Phe	Cys
			20					25					30		
Tyr	Leu	Ala	Ile	Leu	Cys	Gly	Asn	Leu	Leu	Ile	Leu	Ile	Ser	Ile	Arg
		35					40					45			
Cys	Ser	Ser	Leu	Phe	Asn	Gln	Pro	Met	Tyr	Tyr	Phe	Leu	Ser	His	Leu
	50					55					60				
Ser	Ser	Met	Asp	Ile	Phe	Tyr	Thr	Ser	Cys	Val	Thr	Pro	Lys	Leu	Ile
65					70					75					80
Gly	Asp	Leu	Leu	Val	Arg	Arg	Lys	Thr	Ile	Ser	Tyr	Thr	Asn	Cys	Met
				85					90					95	
Leu	Gln	Val	Phe	Ala	Met	His	Phe	Phe	Gly	Met	Ile	Glu	Ile	Leu	Ile
			100					105					110		
Leu	Thr	Ala	Met	Ala	Phe	Asp	Arg	Cys	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Met	Val	Ile	Met	Ser	Arg	Ser	Arg	Cys	His	Ile	Leu	Ile	Trp
	130					135					140				
Ala	Ser	Trp	Val	Gly	Gly	Ala	Ala	His	Ser	Leu	Ser	Gln	Phe	Cys	Leu
145					150					155					160
Leu	Ile	Cys	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Glu	Ile	Asp	His	Tyr	Tyr
				165					170					175	
Cys	Asp	Ile	Phe	Pro	Leu	Leu	Lys	Val	Ala	Cys	Thr	Asp	Thr	Thr	Ile
			180					185					190		
Thr	Gly	Val	Leu	Val	Val	Ala	Asn	Ser	Gly	Leu	Ile	Ala	Leu	Val	Thr
		195					200					205			
Phe	Val	Val	Leu	Phe	Gly	Ser	Tyr	Val	Val	Ile	Leu	Phe	Thr	Leu	Arg
		210				215					220				
Asn	Tyr	Ser	Ala	Glu	Gly	Arg	His	Lys	Ala	Leu	Ser	Thr	Cys	Ala	Ser
225					230					235					240
His	Ile	Thr	Val	Val	Ile	Leu	Phe	Phe	Gly	Pro	Ser	Ile	Phe	Ala	Tyr
				245					250					255	
Leu	Arg	Pro	Pro	Thr	Thr	Phe	Pro	Glu	Asp	Lys	Ile	Phe	Ala	Leu	Phe
			260					265					270		
Tyr	Thr	Ile	Ile	Ala	Pro	Met	Phe	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg
		275					280					285			
Asn	Thr	Glu	Met	Lys	Lys	Ala	Met	Lys	Lys	Val	Trp	Cys	Gln	Asn	Met
	290					295					300				
Phe	Ser	Glu	Glu	Lys	His	Ser									
305						310									

<210> 1609
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 <212> PRT
 <213> Mus musculus

<400> 1609

Met Leu Gly Leu Asn Gly Thr Pro Phe Gln Pro Ala Thr Leu Gln Leu

1				5					10				15				
Thr	Gly	Ile	Pro	Gly	Met	Asn	Ile	Gly	Gln	Ala	Trp	Ile	Ala	Leu	Ile		
			20					25					30				
Phe	Cys	Phe	Leu	Tyr	Phe	Ile	Ser	Ile	Ala	Gly	Asn	Leu	Ser	Ile	Leu		
		35					40					45					
Ala	Leu	Val	Ile	Arg	Glu	Pro	Pro	Leu	His	Gln	Pro	Met	Tyr	Tyr	Phe		
	50					55					60						
Leu	Ser	Met	Leu	Ser	Leu	Asn	Asp	Leu	Gly	Val	Ser	Leu	Ser	Thr	Leu		
65					70					75					80		
Pro	Thr	Val	Leu	Ala	Thr	Phe	Cys	Phe	Asn	Tyr	Arg	His	Val	Asp	Phe		
				85					90					95			
Asp	Ala	Cys	Leu	Val	Gln	Met	Phe	Phe	Ile	His	Thr	Phe	Ser	Phe	Met		
			100					105					110				
Glu	Ser	Gly	Ile	Leu	Leu	Ala	Met	Ser	Phe	Asp	Arg	Phe	Val	Ala	Ile		
		115					120					125					
Cys	Asp	Pro	Leu	Arg	Tyr	Ser	Thr	Val	Leu	Thr	Asn	Ser	Arg	Ile	Leu		
	130					135					140						
Ala	Met	Gly	Leu	Gly	Ile	Leu	Ala	Lys	Ser	Phe	Thr	Thr	Leu	Phe	Pro		
145					150					155					160		
Phe	Pro	Phe	Leu	Val	Lys	Arg	Leu	Pro	Phe	Cys	Lys	Gly	Asn	Val	Leu		
				165					170					175			
His	His	Ser	Tyr	Cys	Leu	His	Pro	Asp	Leu	Met	Lys	Val	Ala	Cys	Gly		
		180						185					190				
Asp	Ile	His	Val	Asn	Asn	Ile	Tyr	Gly	Leu	Phe	Val	Val	Ile	Phe	Thr		
	195					200						205					
Tyr	Gly	Val	Asp	Ser	Val	Phe	Ile	Leu	Leu	Ser	Tyr	Ala	Leu	Ile	Leu		
	210					215					220						
Arg	Ala	Val	Leu	Val	Ile	Ala	Ser	His	Glu	Gln	Arg	Leu	Lys	Ala	Leu		
225					230					235					240		
Asn	Thr	Cys	Ile	Ser	His	Ile	Cys	Ala	Val	Leu	Ala	Phe	Tyr	Val	Pro		
				245					250					255			
Ile	Ile	Ala	Val	Ser	Met	Ile	His	Arg	Phe	Trp	Lys	Ser	Ala	Pro	Ala		
			260					265					270				
Val	Val	His	Val	Met	Met	Ser	Asn	Val	Tyr	Leu	Phe	Val	Pro	Pro	Met		
		275					280					285					
Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Val	Lys	Thr	Lys	Glu	Ile	Arg	Lys	Gly		
	290					295					300						
Met	Leu	Lys	Val	Phe	His	Lys	Ser	Gln	Thr								
305					310												

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 <212> PRT
 <213> Mus musculus

<400> 1610

Met	Ala	Gly	Asn	Ala	Thr	His	His	Ile	Ala	Ser	Phe	Phe	Leu	Val	Gly		
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Ile	Pro	Gly	Leu	Glu	Asn	Phe	His	Cys	Trp	Ile	Gly	Ile	Pro	Val	Cys		
		20						25					30				
Leu	Leu	Phe	Ala	Leu	Thr	Leu	Leu	Gly	Asn	Ser	Ile	Ile	Leu	Thr	Thr		
		35					40					45					
Val	Lys	Leu	Glu	Pro	Ser	Leu	His	Gln	Pro	Met	Tyr	Phe	Phe	Leu	Cys		
	50					55					60						
Met	Leu	Ala	Met	Asn	Asp	Met	Cys	Leu	Thr	Cys	Ser	Thr	Ala	Leu	Lys		
65					70					75					80		

Met	Leu	Gly	Ile	Phe	Trp	Phe	Asp	Glu	His	Trp	Ile	Asn	Phe	Asp	Ala
				85					90					95	
Cys	Leu	Thr	Gln	Met	Phe	Phe	Ile	His	Thr	Leu	Cys	Ile	Met	Glu	Ser
			100					105					110		
Ala	Ile	Leu	Val	Ala	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Ile	Cys	Ile
		115					120					125			
Pro	Leu	His	Tyr	Thr	Ser	Ile	Leu	Thr	Met	Pro	Met	Val	Ile	Lys	Ile
	130					135					140				
Gly	Leu	Val	Gly	Leu	Gly	Arg	Ala	Ile	Leu	Met	Ile	Met	Pro	Cys	Pro
145					150					155					160
Leu	Leu	Ile	Lys	Arg	Leu	Leu	Tyr	Tyr	Thr	Lys	Tyr	Val	Ile	His	His
			165						170					175	
Ala	Tyr	Cys	Glu	His	Met	Ala	Val	Val	Lys	Met	Ala	Ser	Gly	Asn	Thr
			180						185				190		
Gln	Val	Asn	Arg	Ile	Tyr	Gly	Ile	Leu	Val	Ala	Leu	Ser	Val	Thr	Ile
		195					200					205			
Phe	Asp	Leu	Gly	Leu	Ile	Val	Thr	Ser	Tyr	Ile	Lys	Ile	Leu	Gln	Ala
	210					215					220				
Val	Phe	Arg	Leu	Ser	Ser	Gln	Asn	Ala	Arg	Ser	Lys	Ala	Leu	Gly	Thr
225					230					235					240
Cys	Val	Ala	His	Val	Cys	Thr	Ile	Leu	Ala	Phe	Tyr	Thr	Pro	Ala	Leu
			245						250					255	
Phe	Ser	Phe	Leu	Thr	His	Arg	Phe	Gly	Lys	Asn	Val	Pro	Ala	Ser	Ile
			260					265					270		
His	Ile	Ile	Phe	Ala	Ile	Leu	Tyr	Leu	Leu	Val	Ser	Pro	Thr	Val	Asn
	275						280					285			
Pro	Leu	Val	Tyr	Gly	Ala	Lys	Thr	Lys	Gln	Ile	Arg	Asp	Arg	Val	Val
	290					295					300				
Ser	Leu	Leu	Phe	Ser	Gln	Lys	Gln	Lys	Phe						
305					310										

<210> 1611
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 <212> PRT
 <213> Mus musculus

<400> 1611

Met	Leu	Ile	Phe	Asn	His	Ser	Ser	Phe	Met	Thr	Phe	Thr	Leu	Leu	Gly
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Val	Pro	Gly	Leu	Glu	Ser	Gln	His	Leu	Trp	Leu	Ser	Val	Pro	Phe	Thr
		20						25					30		
Ser	Met	Leu	Leu	Ala	Ile	Leu	Ile	Gly	Asn	Gly	Ala	Ile	Leu	Phe	Leu
	35						40					45			
Val	Ile	Thr	Glu	Pro	Thr	Leu	His	Thr	Pro	Met	Tyr	Leu	Leu	Leu	Ala
	50					55					60				
Leu	Leu	Met	Val	Ala	Asp	Leu	Ile	Ser	Thr	Leu	Ala	Leu	Val	Pro	Lys
65					70					75					80
Val	Leu	Cys	Leu	Phe	Trp	Phe	Asp	Asp	Arg	Val	Ile	Ala	Ile	Tyr	Ala
			85						90					95	
Cys	Phe	Thr	Gln	Met	Phe	Phe	Ile	His	Gly	Ala	Ser	Val	Val	Arg	Ser
			100					105					110		
Ala	Leu	Leu	Val	Ala	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Val	Cys	Glu
		115					120					125			
Pro	Leu	Arg	Tyr	Asn	Thr	Ile	Leu	Ser	His	Ser	Leu	Val	Gly	Arg	Leu
	130					135					140				
Gly	Leu	Val	Ala	Leu	Ala	Lys	Gly	Val	Ile	Leu	Ile	Leu	Pro	Met	Pro

145		150		155		160									
Leu	Leu	Leu	Gln	Arg	Leu	Thr	Phe	Cys	His	Arg	Val	Ile	Pro	His	Thr
		165		170		175									
Tyr	Cys	Asp	His	Met	Ala	Val	Val	Lys	Met	Ala	Cys	Ser	Asn	Thr	Arg
		180		185		190									
Pro	Asn	Arg	Ile	Tyr	Gly	Leu	Phe	Val	Ile	Leu	Leu	Val	Val	Gly	Leu
		195		200		205									
Asn	Leu	Leu	Leu	Ile	Gly	Phe	Ser	Tyr	Val	Phe	Ile	Leu	Gln	Ser	Val
		210		215		220									
Val	Arg	Leu	Asn	Ser	Arg	Asp	Ala	Thr	Phe	Lys	Ala	Leu	Asn	Thr	Cys
225				230		235				240					
Ser	Ala	His	Leu	Phe	Val	Ile	Leu	Ile	Thr	Tyr	Val	Pro	Ala	Leu	Phe
				245		250				255					
Ser	Ser	Ile	Thr	His	Arg	Ile	Gly	His	His	Ile	Pro	Pro	His	Ala	His
				260		265				270					
Ile	Ile	Leu	Ala	Asn	Leu	Tyr	Leu	Leu	Ile	Pro	Ser	Val	Phe	Asn	Pro
				275		280				285					
Ile	Ile	Tyr	Gly	Ile	Lys	Met	Lys	Glu	Ile	Arg	Asp	Arg	Val	Ala	Lys
				290		295				300					
Cys	Leu	Cys	Arg												
305															

<210> 1612
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1612

Met	Thr	Asn	Phe	Thr	His	Val	Ser	Glu	Phe	Ile	Leu	Leu	Gly	Phe	Lys
1				5				10					15		
Gly	Gly	Pro	Gly	Ile	Gln	Met	Leu	Leu	Phe	Leu	Ile	Phe	Leu	Phe	Leu
			20					25					30		
Tyr	Val	Ile	Ala	Val	Val	Gly	Asn	Phe	Gly	Met	Ile	Ile	Ile	Ile	Arg
			35				40						45		
Met	Asp	Ala	His	Leu	His	Thr	Pro	Met	Tyr	Ala	Phe	Leu	Gln	Ser	Leu
			50			55				60					
Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Ser	Ser	Thr	Ile	Ala	Pro	Arg	Ala	Leu
65					70				75						80
Ile	Asn	Cys	Met	Lys	Gln	Asp	His	Thr	Ile	Ser	Phe	Ser	Gly	Cys	Ala
				85				90						95	
Thr	Gln	Phe	Phe	Phe	Leu	Ser	Leu	Phe	Gly	Thr	Thr	Glu	Ala	Phe	Leu
			100					105					110		
Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Ile	Ala	Ile	Cys	Asn	Pro	Leu
			115				120					125			
Leu	Tyr	Ser	Val	Ser	Met	Ser	His	Trp	Val	Cys	Gly	Leu	Leu	Val	Ser
			130			135					140				
Gly	Ser	Tyr	Ser	Trp	Gly	Ala	Val	Asn	Ala	Val	Thr	Gln	Thr	Thr	Met
145					150				155						160
Thr	Phe	Thr	Leu	Thr	Phe	Cys	Gly	Ser	Asn	Glu	Ile	Asn	Asp	Phe	Phe
				165				170						175	
Cys	Asp	Val	Pro	Pro	Leu	Leu	Ser	Leu	Ser	Cys	Ser	Asp	Thr	Phe	Ile
			180				185					190			
Asn	Gln	Leu	Val	Leu	Leu	Ala	Leu	Cys	Gly	Ser	Ile	Ile	Val	Ser	Thr
			195				200					205			
Phe	Leu	Thr	Val	Phe	Val	Ser	Tyr	Ile	Tyr	Ile	Ile	Ser	Thr	Ile	Leu
			210				215					220			

Lys Ile Arg Thr Val Gln Gly Arg Gln Lys Ala Phe Ser Thr Cys Ala
 225 230 235 240
 Ser His Leu Ile Gly Val Cys Leu Phe Phe Gly Thr Val Phe Phe Met
 245 250 255
 Tyr Ala Gln Pro Ser Ala Val Ser Ser Met Glu Gln Ser Lys Val Val
 260 265 270
 Ser Ile Phe Tyr Thr Ile Val Ile Pro Met Leu Asn Pro Leu Ile Tyr
 275 280 285
 Ser Leu Arg Asn Lys Asp Val Lys Gln Ala Leu Lys Arg Ser Lys Gln
 290 295 300
 Arg Phe Cys Ser
 305

<210> 1613
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1613
 Met Gln Asn Gln Ser Phe Val Thr Glu Phe Ile Ile Leu Gly Leu Ser
 1 5 10 15
 Gln Asn Pro Ile Val Glu Lys Ile Leu Phe Phe Val Leu Leu Val
 20 25 30
 Tyr Leu Ala Thr Ile Gly Gly Asn Ile Ile Val Val Thr Ile Met
 35 40 45
 Tyr Ser Pro Ala Leu Leu Gly Ser Pro Met Tyr Phe Phe Leu Ala Phe
 50 55 60
 Leu Ser Phe Leu Asp Leu Cys Val Ser Ser Thr Val Thr Pro Lys Met
 65 70 75 80
 Ile Val Asp Phe Phe Tyr Glu Lys Lys Thr Ile Ser Phe Gly Cys Cys
 85 90 95
 Met Met Gln Leu Phe Ser Val His Phe Phe Ser Gly Thr Glu Met Ile
 100 105 110
 Val Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro
 115 120 125
 Leu His Tyr Phe Ser Ile Leu Thr Arg Arg Leu Cys Ser Ile Leu Val
 130 135 140
 Ala Ile Ser Trp Ala Gly Gly Phe Leu His Ser Ile Ile Gln Val Ile
 145 150 155 160
 Phe Thr Leu Gln Leu Pro Leu Cys Gly Pro Asn Val Ile Asp His Tyr
 165 170 175
 Thr Cys Asp Leu Phe Pro Leu Leu Lys Leu Ala Cys Thr Asp Thr His
 180 185 190
 Ile Phe Val Leu Leu Val Phe Ala Asn Ser Gly Ala Ile Cys Ile Ile
 195 200 205
 Ile Phe Ser Leu Leu Leu Val Ser Tyr Gly Val Ile Leu Phe Ser Leu
 210 215 220
 Arg Ala His Ser Ser Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Gly
 225 230 235 240
 Ala His Val Thr Val Val Val Leu Phe Leu Val Pro Cys Ile Leu Ile
 245 250 255
 Tyr Ala Arg Asp Thr Ser Ala Phe Ser Phe Glu Lys His Thr Leu Leu
 260 265 270
 Phe Val Asn Val Leu Thr Pro Leu Leu Asn Pro Thr Val Tyr Thr Phe
 275 280 285
 Arg Asn Lys Glu Met Ile Asn Ala Ile Arg Lys Met Cys Lys Arg Leu

290
Lys Met Ile Phe Val Arg Phe
305 310

300

<210> 1614
<211> 320
<212> PRT
<213> Mus musculus

<400> 1614
Met Glu Glu Val Asn Cys Thr Phe Met Ala Glu Phe Ile Leu Leu Gly
1 5 10 15
Phe Ser Asp Val Pro Glu Leu Ala Ile Phe Leu Phe Leu Val Phe Leu
20 25 30
Val Ile Tyr Gly Val Thr Val Ile Ala Asn Leu Gly Met Thr Val Leu
35 40 45
Ile Gln Val Ser Ser Gln Leu His Thr Pro Met Tyr Phe Phe Leu Ser
50 55 60
His Leu Ser Phe Val Asp Phe Cys Tyr Ala Ser Ile Ile Val Pro Lys
65 70 75 80
Met Phe Thr Asp Ile Ile Asn Gln Asp Gln Val Ile Ser Tyr Leu Glu
85 90 95
Cys Met Leu Gln Phe Tyr Leu Phe Cys Thr Phe Ala Ile Thr Glu Val
100 105 110
Phe Leu Leu Ala Val Met Ala Tyr Asp Arg Phe Val Ala Ile Cys Asn
115 120 125
Pro Leu Leu Tyr Thr Val Ile Met Ser Pro Lys Leu Arg Leu Val Leu
130 135 140
Val Ser Cys Cys Tyr Leu Tyr Ala Ser Val Cys Ser Leu Ile His Leu
145 150 155 160
Cys Leu Ala Leu Glu Ile Thr Ser Phe Lys Ser Asn Val Ile Asn His
165 170 175
Phe Phe Cys Asp Leu Pro Pro Leu Leu Ser Leu Ala Cys Ser Asp Val
180 185 190
Ser Thr Asn Glu Phe Phe Leu Phe Ile Ile Val Asn Phe Asn Glu Ile
195 200 205
Leu Thr Ile Val Ile Ile Phe Thr Ser Tyr Leu Phe Ile Leu Ile Thr
210 215 220
Ile Leu Lys Met Arg Ser Ala Glu Gly Arg Arg Lys Ala Phe Ser Thr
225 230 235 240
Cys Ala Ser His Leu Thr Val Ile Met Val Phe His Gly Thr Ile Leu
245 250 255
Phe Ile Tyr Cys Gln Pro Asn Ser Gly Asn Ser Leu Asp Val Asp Lys
260 265 270
Val Thr Thr Val Phe Tyr Thr Val Ile Ile Pro Met Leu Asn Pro Leu
275 280 285
Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Glu Ala Leu Arg Lys Met
290 295 300
Leu Gly Ser Lys Lys Asn Ser Leu Leu Asp Phe Phe Phe Phe Cys Phe
305 310 315 320

<210> 1615
<211> 318
<212> PRT
<213> Mus musculus

<400> 1615

Met	Ile	Leu	Ser	Glu	Lys	Asn	Asn	Ser	Gly	Ile	Ile	Phe	Thr	Leu	Leu
1				5					10					15	
Gly	Phe	Ser	Asp	Tyr	Pro	Asp	Leu	Lys	Val	Pro	Leu	Phe	Leu	Val	Phe
			20					25					30		
Leu	Val	Ile	Tyr	Ser	Ile	Thr	Val	Val	Gly	Asn	Ile	Gly	Met	Ile	Leu
			35				40						45		
Val	Ile	Arg	Ile	Asn	Pro	Gln	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ser	His	Leu	Ser	Phe	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Ile	Ile	Ala	Pro
65					70					75					80
Lys	Met	Leu	Val	Asn	Leu	Val	Ala	Lys	Asp	Ile	Thr	Ile	Ser	Phe	Val
				85					90					95	
Glu	Cys	Ile	Val	Gln	Tyr	Phe	Leu	Phe	Cys	Val	Phe	Val	Val	Thr	Glu
			100					105					110		
Ala	Phe	Leu	Leu	Val	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys
			115				120					125			
Asn	Pro	Leu	Leu	Tyr	Thr	Val	Ala	Met	Ser	Gln	Lys	Leu	Cys	Ile	Thr
	130					135					140				
Leu	Val	Val	Gly	Ser	Tyr	Ala	Trp	Gly	Phe	Thr	Cys	Ser	Leu	Thr	Leu
145					150					155					160
Thr	Cys	Ser	Thr	Val	Gln	Leu	Ser	Phe	His	Gly	Val	Asn	Arg	Ile	Asp
				165					170					175	
His	Phe	Phe	Cys	Glu	Leu	Ser	Ser	Leu	Ala	Leu	Ser	Ser	Ser	Ser	Asp
			180					185					190		
Thr	Leu	Ile	Ser	Gln	Leu	Leu	Leu	Phe	Val	Phe	Ala	Thr	Phe	Asn	Ala
			195				200					205			
Val	Ser	Thr	Leu	Leu	Leu	Ile	Leu	Leu	Ser	Tyr	Leu	Phe	Ile	Val	Val
	210					215					220				
Thr	Val	Leu	Lys	Met	Arg	Ser	Ala	Ser	Gly	Arg	Arg	Lys	Ala	Phe	Ser
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Ala	Ala	Ile	Thr	Ile	Phe	His	Gly	Thr	Ile
				245					250					255	
Leu	Phe	Leu	Phe	Cys	Val	Pro	Asn	Ser	Lys	Asn	Ser	Arg	Leu	Thr	Val
			260					265					270		
Lys	Val	Gly	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro
	275						280					285			
Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Gln	Asp	Thr	Ile	Arg	Lys
	290					295					300				
Ile	Met	Thr	Leu	Ile	Ser	Cys	Val	Lys	Asn	Asp	Arg	His	Asn		
305					310					315					

<210> 1616

<211> 317

<212> PRT

<213> Mus musculus

<400> 1616

Met	Lys	Ile	Tyr	Arg	Arg	Met	Thr	His	Gly	Asn	Tyr	Ser	Leu	Val	Thr
1				5					10					15	
Glu	Phe	Ile	Leu	Glu	Gly	Leu	Thr	Asn	Arg	Pro	Glu	Leu	Gln	Met	Pro
			20					25					30		
Leu	Phe	Phe	Leu	Phe	Leu	Gly	Ile	Tyr	Val	Val	Thr	Ile	Val	Ala	Asn
			35				40						45		
Leu	Gly	Leu	Ile	Thr	Leu	Ile	Ser	Leu	Asn	Thr	His	Leu	His	Thr	Pro

50		55		60
Met Tyr Tyr Phe Leu Phe Asn Leu Ser Phe Val Asp Ile Cys Tyr Ser				
65		70		80
Ser Val Phe Thr Pro Lys Met Leu Ile Asn Phe Val Val Glu Lys Asn				
	85		90	95
Thr Ile Ser Tyr Thr Gly Cys Leu Thr Gln Leu Tyr Phe Phe Cys Phe				
	100		105	110
Phe Val Ile Thr Glu Cys Tyr Leu Leu Thr Ala Met Ala Tyr Asp Arg				
	115		120	125
Tyr Val Ala Ile Cys Lys Pro Leu Leu Tyr Asn Val Ile Leu Ser Pro				
	130		135	140
Arg Ile Cys Ala Val Phe Val Phe Gly Ala Tyr Val Met Gly Cys Trp				
145		150		160
Gly Ser Leu Ala His Thr Leu Cys Met Ala Arg Leu Thr Phe Cys Asp				
	165		170	175
Ala Asn Leu Val Asn His Tyr Leu Cys Asp Ile Leu Pro Val Leu Gln				
	180		185	190
Leu Ser Cys Thr Ser Thr Tyr Asn Asn Glu Val Val Val Phe Val Leu				
	195		200	205
Val Gly Met Asn Ile Val Val Ser Thr Ser Thr Thr Phe Ile Ser Tyr				
	210		215	220
Gly Phe Ile Ile Ala Asn Ile Leu Arg Ile Ser Ser Thr Gln Asp Arg				
225		230		240
Ala Lys Ala Phe Asn Thr Cys Ser Ser His Ile Met Thr Val Ser Leu				
	245		250	255
Phe Phe Gly Ala Ala Ala Phe Met Tyr Met Gln Pro Ser Asp Val Glu				
	260		265	270
Ser Met Asp Lys Gly Lys Val Ala Ser Val Phe Tyr Thr Asn Val Gly				
	275		280	285
Pro Met Leu Asn Pro Leu Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys				
	290		295	300
Val Ala Leu Lys Lys Thr Leu Lys Arg Lys Leu Phe Ser				
305		310		315

<210> 1617
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1617

Met Asn His Ser Ser Val Thr Asp Phe Ile Leu Glu Gly Leu Thr Lys	
1	5
Arg Pro Glu Leu Gln Leu Pro Leu Phe Leu Leu Phe Leu Gly Ile His	
	20
Val Ile Thr Val Val Gly Asn Leu Gly Met Ile Leu Leu Ile Asn Ile	
	35
Ser Ser Gln Leu His Ser Pro Met Tyr Tyr Phe Leu Ser His Leu Ser	
50	55
Phe Ile Asp Leu Cys Tyr Ser Ser Val Ile Thr Pro Lys Met Leu Val	
65	70
Asn Phe Val Cys Ala Lys Asn Thr Ile Ser Phe Lys Glu Cys Met Thr	
	85
Gln Leu Tyr Phe Phe Leu Leu Leu Ala Ile Ser Glu Gly Tyr Leu Leu	
	100
Thr Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Ser Pro Leu Leu	
	115
	120
	125

Tyr	Asn	Thr	Val	Met	Ser	His	Lys	Val	Cys	Ser	Ile	Met	Met	Ala	Val
130						135					140				
Val	Tyr	Ser	Leu	Gly	Phe	Phe	Gly	Ala	Thr	Val	His	Thr	Thr	Arg	Met
145					150					155					160
Thr	Met	Leu	Ser	Phe	Cys	Gly	Ser	His	Ile	Ile	Arg	His	Tyr	Phe	Cys
				165					170					175	
Asp	Ile	Leu	Pro	Leu	Leu	Thr	Leu	Ser	Cys	Ser	Ser	Thr	His	Ile	Asn
			180					185					190		
Glu	Val	Leu	Leu	Phe	Ile	Ile	Gly	Gly	Val	Asn	Thr	Leu	Ala	Pro	Thr
		195					200					205			
Leu	Ala	Val	Ile	Ile	Ser	Tyr	Ala	Phe	Ile	Leu	Thr	Ser	Ile	Leu	Arg
	210					215					220				
Ile	Arg	Ser	Asn	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Gly	Thr	Cys	Ser	Ser
225					230					235					240
His	Ile	Met	Ala	Val	Gly	Ile	Phe	Phe	Gly	Ser	Ile	Thr	Phe	Met	Tyr
				245					250					255	
Phe	Lys	Pro	Pro	Ser	Ser	Asn	Asn	Met	Glu	Gln	Glu	Lys	Val	Ser	Ser
			260				265						270		
Val	Phe	Tyr	Thr	Thr	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser
		275				280						285			
Leu	Arg	Asn	Lys	Asp	Val	Lys	Thr	Ala	Leu	Lys	Lys	Met	Val	Gly	Arg
	290					295					300				
Arg	Gln	Leu	Ser												
305															

<210> 1618
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1618

Met	Pro	Gly	Val	Asn	Thr	Ser	Ser	Leu	Thr	Pro	Arg	Tyr	Phe	Ile	Leu
1				5					10					15	
Asn	Gly	Ile	Pro	Gly	Leu	Glu	Ala	Ala	His	Ile	Trp	Ile	Ser	Leu	Pro
			20				25						30		
Phe	Phe	Ile	Met	Tyr	Leu	Ile	Ala	Val	Thr	Gly	Asn	Cys	Gly	Leu	Ile
		35					40					45			
Tyr	Leu	Ile	Ser	His	Glu	Glu	Ala	Leu	His	Arg	Pro	Met	Tyr	Tyr	Phe
	50					55					60				
Leu	Ala	Met	Leu	Ser	Ala	Thr	Asp	Ile	Ser	Gly	Cys	Asn	Thr	Ile	Val
65					70					75					80
Pro	Ser	Met	Leu	Cys	Ile	Phe	Trp	Phe	Ser	Val	Lys	Glu	Ile	Asp	Phe
				85					90					95	
Asn	Ala	Cys	Leu	Val	Gln	Met	Phe	Phe	Ile	His	Met	Leu	Thr	Gly	Met
			100					105					110		
Glu	Ser	Gly	Val	Leu	Met	Leu	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Tyr	Pro	Leu	Arg	Tyr	Thr	Thr	Ile	Leu	Thr	Asn	Thr	Met	Ile	Thr
	130					135					140				
Lys	Ile	Gly	Leu	Ala	Ala	Leu	Val	Arg	Ser	Val	Leu	Leu	Met	Val	Pro
145					150					155					160
Phe	Ala	Phe	Leu	Ile	Lys	Arg	Leu	Pro	Tyr	Cys	Arg	Gly	Asn	Leu	Ile
				165					170					175	
Gln	His	Thr	Tyr	Cys	Asp	His	Met	Ala	Val	Ala	Lys	Leu	Ser	Cys	Gly
		180					185						190		
Asn	Ile	Lys	Ile	Asn	Ala	Ile	Tyr	Gly	Leu	Ile	Ile	Ala	Ile	Phe	Ile

	195		200		205
Gly	Gly Phe Asp Ile Phe Cys Ile Ser Met Ser Tyr Ala Met Ile Ile				
	210		215		220
His	Ala Val Val Lys Leu Ser Ser Ala Asp Ala Arg His Lys Ala Phe				
225		230		235	240
Ser	Thr Cys Thr Ser His Ile Cys Ala Ile Val Ile Thr Tyr Val Pro				
	245		250		255
Ala	Phe Phe Asn Phe Phe Thr His Arg Phe Gly Arg Thr Thr Ile Pro				
	260		265		270
His	His Ile His Ile Ile Ile Ala Asn Leu Tyr Leu Leu Leu Pro Pro				
	275		280		285
Thr	Leu Asn Pro Ile Val Tyr Gly Val Lys Thr Lys Gln Ile Arg Glu				
	290		295		300
Gly	Val Ile Lys Leu Phe Ala Arg Gln Lys Val Val				
305		310		315	

<210> 1619
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1619

Met	Tyr	Asn	Leu	Ser	Cys	Tyr	Asn	Pro	Ala	Ser	Phe	Thr	Leu	Val	Gly
1			5					10					15		
Ile	Pro	Gly	Leu	Glu	Lys	Phe	His	Ile	Trp	Ile	Gly	Ile	Pro	Phe	Cys
		20						25				30			
Val	Ile	Tyr	Val	Val	Ala	Ile	Val	Gly	Asn	Cys	Ile	Leu	Leu	Tyr	Leu
	35					40					45				
Ile	Ala	Val	Glu	Gln	Ser	Leu	His	Glu	Pro	Met	Phe	Ile	Phe	Leu	Ser
	50				55					60					
Met	Leu	Ala	Ser	Thr	Asp	Leu	Ile	Leu	Ser	Thr	Ala	Thr	Val	Pro	Lys
65				70					75					80	
Leu	Leu	Ser	Asn	Leu	Trp	Phe	Gly	Ser	Gln	Glu	Ile	Thr	Phe	Ser	Gly
		85					90						95		
Cys	Leu	Thr	Gln	Met	Phe	Phe	Leu	His	Phe	Ser	Phe	Val	Val	Asp	Ser
	100					105						110			
Ala	Ile	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Leu
	115					120					125				
Pro	Leu	Arg	Tyr	Ser	Thr	Ile	Leu	Thr	Pro	Gln	Val	Ile	Val	Lys	Ile
	130				135				140						
Met	Val	Ser	Ile	Ile	Val	Arg	Ser	Phe	Ser	Val	Ile	Leu	Pro	Asp	Val
145				150					155					160	
Phe	Leu	Leu	Arg	Arg	Leu	Pro	Phe	Cys	Lys	Thr	Arg	Val	Ile	Pro	His
		165					170						175		
Thr	Tyr	Cys	Glu	His	Ile	Gly	Val	Ala	Arg	Leu	Ser	Ser	Ala	Asp	Ile
	180					185						190			
Ser	Ile	Asn	Ile	Trp	Tyr	Gly	Phe	Ser	Val	Pro	Leu	Met	Thr	Val	Ile
	195					200				205					
Ser	Asp	Val	Ile	Leu	Ile	Ala	Val	Ser	Tyr	Ile	Phe	Ile	Leu	Arg	Ala
	210				215					220					
Val	Phe	Leu	Leu	Ser	Ser	Gln	Gly	Ala	Arg	Gln	Lys	Ala	Leu	Ser	Thr
225				230					235					240	
Cys	Gly	Ser	His	Ile	Cys	Val	Ile	Leu	Met	Phe	Tyr	Thr	Pro	Ala	Phe
		245					250						255		
Phe	Ser	Ile	Leu	Ala	His	Arg	Phe	Gly	His	Ser	Val	Pro	Arg	Asn	Val
		260					265						270		

Leu Ile Leu Phe Ala Asn Phe Tyr Val Ala Ile Pro Pro Ala Leu Asn
 275 280 285
 Pro Val Val Tyr Gly Val Lys Thr Lys Gln Ile Gln Asp Lys Phe Leu
 290 295 300
 Leu Phe Phe Ser Leu Arg Lys Thr Gln
 305 310

<210> 1620
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1620
 Met Thr Ala Leu Ser Val Thr Asn Tyr Thr Ser Ser Arg Phe Ala Leu
 1 5 10 15
 Thr Gly Phe Pro Gly Leu Glu Ile Tyr Tyr Phe Trp Ile Ser Val Pro
 20 25 30
 Phe Phe Ile Ile Tyr Val Thr Val Phe Leu Gly Asn Cys Met Val Leu
 35 40 45
 His Val Ile Arg Thr Glu Leu Ser Leu His Gln Pro Met Phe Tyr Phe
 50 55 60
 Leu Ala Met Leu Ala Leu Thr Asp Leu Cys Met Gly Leu Ser Thr Val
 65 70 75 80
 His Thr Val Met Gly Ile Leu Trp Gly Phe Leu Gln Glu Ile Ser Leu
 85 90 95
 Asp Ala Cys Ile Ala Gln Ser Tyr Phe Ile His Gly Leu Ser Phe Met
 100 105 110
 Glu Ser Ser Val Leu Leu Thr Met Ser Phe Asp Arg Tyr Ile Ala Ile
 115 120 125
 Cys Asn Pro Leu Arg Tyr Ser Ser Ile Leu Thr Asn Asp Arg Ile Leu
 130 135 140
 Lys Ile Gly Val Ala Ile Leu Cys Arg Ser Ser Met Leu Ile Pro Pro
 145 150 155 160
 Val Ile Ile Arg Leu Lys Phe Leu Asn Tyr Cys Arg Pro His Phe Leu
 165 170 175
 Ser His Ser Phe Cys Leu His Gln Asp Leu Ile Arg Met Ala Cys Gly
 180 185 190
 Asp Ile Arg Phe Asn Ser Ile Tyr Gly Leu Ala Leu Val Ile Ser Asn
 195 200 205
 Leu Leu Val Asp Ser Val Leu Ile Leu Ile Ser Tyr Ile Met Ile Leu
 210 215 220
 Tyr Thr Val Leu Ser Ile Ala Ser Arg Glu Glu Arg Ile Lys Ser Leu
 225 230 235 240
 Gln Thr Cys Val Ser His Ile Ser Ala Val Leu Val Phe Tyr Ile Pro
 245 250 255
 Ile Ile Gly Leu Thr Met Val His Arg Phe Gly Lys His Leu Ser Pro
 260 265 270
 Leu Val His Val Leu Met Gly Asn Val Tyr Ile Leu Phe Pro Pro Leu
 275 280 285
 Met Asn Pro Ile Ile Tyr Ser Ile Lys Thr Gln Gln Ile Arg Val Arg
 290 295 300
 Ile Gln Arg Leu Phe Leu Lys Gly Thr
 305 310

<210> 1621

<211> 310
 <212> PRT
 <213> Mus musculus

<400> 1621

Met	Val	Val	Thr	Asn	Gly	Ser	Leu	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Thr	Asp	Asn	Pro	Asp	Leu	Gln	Ile	Pro	Leu	Phe	Leu	Val	Phe	Leu
			20					25					30		
Val	Met	Tyr	Met	Ile	Thr	Ala	Phe	Gly	Asn	Leu	Thr	Leu	Ile	Leu	Leu
		35					40					45			
Thr	Val	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Phe
	50					55					60				
Asn	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Tyr	Ser	Ser	Val	Val	Thr	Pro	Lys
65					70				75						80
Leu	Leu	Met	Asn	Phe	Val	Leu	Lys	Lys	Asn	Ile	Ile	Gly	Phe	Ala	Gly
			85						90					95	
Cys	Met	Thr	Gln	Leu	Tyr	Phe	Phe	Cys	Phe	Phe	Val	Ile	Ser	Glu	Cys
			100					105					110		
Tyr	Val	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
	115						120					125			
Pro	Leu	Met	Tyr	Asn	Val	Thr	Met	Ser	Pro	Lys	Val	Cys	Ser	Tyr	Leu
	130					135					140				
Met	Leu	Gly	Ser	Tyr	Leu	Met	Gly	Phe	Ser	Asp	Ala	Met	Ile	His	Thr
145					150				155						160
Gly	Cys	Ile	Leu	Arg	Leu	Thr	Phe	Cys	Asp	Gly	Asn	Thr	Ile	Asn	His
			165						170					175	
Tyr	Phe	Cys	Asp	Leu	Leu	Pro	Leu	Met	Gln	Leu	Ser	Cys	Thr	Ser	Thr
			180					185					190		
Tyr	Ile	Asn	Glu	Val	Glu	Ile	Phe	Ile	Val	Gly	Gly	Lys	Asp	Ile	Thr
	195						200					205			
Val	Pro	Ser	Ile	Val	Ile	Ile	Ile	Ser	Tyr	Gly	Phe	Ile	Leu	Ser	Asn
	210					215					220				
Ile	Leu	Gln	Ile	Lys	Ser	Thr	Gly	Gly	Arg	Ser	Lys	Ala	Phe	Asn	Thr
225					230				235						240
Cys	Ser	Ser	His	Ile	Ile	Ala	Val	Ser	Leu	Phe	Phe	Gly	Ser	Cys	Ala
			245						250					255	
Phe	Met	Tyr	Leu	Lys	Pro	Pro	Ser	Ala	Gly	Ser	Leu	Asn	Glu	Gly	Lys
			260					265					270		
Val	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Val	Val	Pro	Met	Met	Asn	Pro	Leu
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Leu	Ala	Leu	Arg	Lys	Thr
	290				295						300				
Leu	Ser	Arg	Arg	Lys	Phe										
305					310										

<210> 1622
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1622

Met	Val	Leu	Thr	Asn	His	Ser	Leu	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Thr	Asp	Asn	Pro	Asp	Leu	Gln	Ile	Pro	Leu	Phe	Leu	Val	Phe	Leu
			20					25					30		

Val	Met	Tyr	Met	Ile	Thr	Ala	Phe	Gly	Asn	Leu	Thr	Leu	Ile	Phe	Leu
	35						40					45			
Thr	Val	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Phe
	50					55					60				
Asn	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Tyr	Ser	Ser	Val	Val	Thr	Pro	Lys
65					70				75						80
Leu	Leu	Met	Asn	Phe	Val	Leu	Lys	Lys	Asn	Ile	Ile	Gly	Phe	Ala	Gly
			85					90						95	
Cys	Met	Thr	Gln	Leu	Tyr	Phe	Phe	Cys	Phe	Phe	Val	Ile	Ser	Glu	Cys
			100					105					110		
Tyr	Val	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
	115						120					125			
Pro	Leu	Met	Tyr	Asn	Val	Thr	Met	Ser	Pro	Lys	Val	Cys	Ser	Tyr	Leu
	130					135					140				
Met	Leu	Gly	Ser	Tyr	Leu	Met	Gly	Phe	Ser	Asp	Ala	Met	Ile	His	Thr
145					150					155					160
Gly	Cys	Ile	Leu	Arg	Leu	Thr	Phe	Cys	Asp	Gly	Asn	Thr	Ile	Asn	His
			165						170					175	
Tyr	Phe	Cys	Asp	Leu	Leu	Pro	Leu	Met	Gln	Leu	Ser	Cys	Thr	Ser	Thr
			180					185					190		
Tyr	Ile	Asn	Glu	Val	Glu	Ile	Phe	Ile	Val	Gly	Gly	Lys	Asp	Ile	Thr
	195					200						205			
Val	Pro	Ser	Ile	Val	Val	Phe	Ile	Ser	Tyr	Gly	Phe	Ile	Leu	Ser	Asn
	210					215					220				
Ile	Leu	Gln	Ile	Lys	Ser	Thr	Gly	Gly	Arg	Tyr	Lys	Ala	Phe	Asn	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ile	Ala	Val	Ser	Leu	Phe	Phe	Gly	Ser	Cys	Ala
			245					250						255	
Phe	Met	Tyr	Leu	Lys	Pro	Ser	Ser	Val	Gly	Ser	Leu	Asn	Glu	Gly	Lys
			260					265					270		
Val	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Val	Val	Pro	Met	Met	Asn	Pro	Leu
	275					280						285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Leu	Ala	Leu	Arg	Lys	Thr
	290				295						300				
Leu	Ser	Arg	Lys	Lys	Phe										
305					310										

<210> 1623
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1623

Met	Glu	Asn	Tyr	Thr	Arg	Val	Lys	Glu	Leu	Ile	Phe	Leu	Gly	Leu	Thr
1				5					10					15	
Gln	Ser	Gln	Glu	Val	Ser	Met	Val	Leu	Phe	Leu	Phe	Leu	Leu	Leu	Val
		20						25					30		
Tyr	Val	Thr	Thr	Leu	Leu	Gly	Asn	Leu	Leu	Ile	Met	Val	Thr	Val	Thr
		35				40					45				
Cys	Glu	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Arg	Asn	Leu
	50				55					60					
Ser	Val	Ala	Asp	Ile	Cys	Phe	Ser	Ser	Ile	Thr	Ala	Pro	Lys	Val	Leu
65					70				75						80
Val	Asp	Leu	Leu	Ser	Asp	Arg	Lys	Thr	Ile	Ser	Phe	Asn	Gly	Cys	Leu
			85					90					95		
Thr	Gln	Met	Phe	Phe	Phe	His	Leu	Ile	Gly	Gly	Val	Asp	Val	Phe	Ser

Cys	Asp	Met	Tyr	Pro	Leu	Leu	Gly	Leu	Ala	Cys	Thr	Asp	Thr	Tyr	Leu
			180					185					190		
Ile	Gly	Leu	Thr	Val	Val	Ala	Asn	Gly	Gly	Ala	Ile	Cys	Met	Thr	Val
		195					200					205			
Phe	Ile	Leu	Leu	Leu	Val	Ser	Tyr	Gly	Ile	Ile	Leu	Asn	Ser	Leu	Lys
		210				215					220				
Ser	His	Ser	Glu	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ser	Ser
					230					235					240
His	Ile	Ile	Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe	Met	Tyr
					245				250					255	
Val	Arg	Pro	Val	Ser	Asn	Phe	Pro	Ile	Asp	Lys	Ser	Leu	Thr	Val	Val
			260					265					270		
Tyr	Thr	Val	Ile	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg
		275					280					285			
Asn	Ala	Glu	Met	Lys	Asn	Ser	Met	Lys	Lys	Leu	Trp	Cys	Glu	Arg	Leu
		290				295					300				
Thr	Met	Glu	Arg	Leu	Arg	Met	Phe	Pro	His						
		305				310									

<210> 1625
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1625

Met	Ala	Val	Thr	Asn	Glu	Ser	His	Pro	Lys	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Phe	Ala	Asn	His	Pro	Trp	Leu	Glu	Leu	Pro	Leu	Phe	Val	Thr	Leu	Leu
			20					25					30		
Ile	Thr	Tyr	Pro	Met	Ala	Leu	Met	Gly	Asn	Ile	Ala	Ile	Ile	Leu	Val
		35				40						45			
Ser	Thr	Leu	Asp	Pro	Arg	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Thr
		50				55					60				
Asn	Leu	Ser	Phe	Leu	Asp	Met	Cys	Tyr	Thr	Thr	Ser	Ile	Val	Pro	Gln
				70					75						80
Met	Leu	Phe	Asn	Leu	Gly	Ser	Ser	Arg	Lys	Thr	Ile	Thr	Tyr	Ile	Gly
			85					90					95		
Cys	Val	Val	Gln	Leu	Tyr	Val	Phe	His	Ile	Met	Gly	Gly	Thr	Glu	Cys
			100					105					110		
Leu	Leu	Leu	Ala	Ile	Met	Ser	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115				120						125			
Pro	Leu	His	Tyr	Thr	Leu	Ile	Met	Asn	Gln	Arg	Val	Cys	Ile	Leu	Leu
		130				135					140				
Val	Ser	Ile	Met	Trp	Leu	Thr	Gly	Val	Ile	Phe	Ala	Phe	Ser	Glu	Ala
				150						155					160
Thr	Leu	Thr	Leu	Gln	Leu	Pro	Leu	Cys	Gly	Ile	His	Lys	Leu	Asp	His
				165					170					175	
Leu	Leu	Cys	Glu	Ile	Pro	Val	Leu	Ile	Lys	Thr	Ala	Cys	Gly	Glu	Lys
			180					185					190		
Glu	Ser	Asn	Glu	Leu	Ala	Leu	Ser	Val	Val	Cys	Ile	Phe	Ile	Leu	Ala
		195				200						205			
Val	Pro	Leu	Cys	Leu	Ile	Leu	Ala	Ser	Tyr	Val	Asn	Ile	Gly	Cys	Ala
		210				215					220				
Val	Leu	Arg	Ile	Lys	Ser	Ser	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Gly	Thr
				230					235						240
Cys	Ser	Ser	His	Leu	Val	Val	Val	Ser	Leu	Phe	Tyr	Gly	Pro	Ala	Ile

<210> 1627
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1627
 Met Ala Leu Glu Asn Ala Ser Leu Val Thr Glu Phe Ile Leu Met Gly
 1 5 10 15
 Leu Thr Asn Arg Pro Asp Leu Gln Ile Pro Leu Phe Leu Leu Phe Leu
 20 25 30
 Val Met Tyr Val Ile Ala Thr Leu Gly Asn Leu Ala Leu Ile Met Leu
 35 40 45
 Ile Ile Leu Asn Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Leu
 50 55 60
 Asn Leu Ser Cys Ile Asp Leu Phe Tyr Cys Ser Val Ile Thr Pro Lys
 65 70 75 80
 Met Leu Met Asn Phe Val Leu Lys Lys Asn Val Ile Ser Tyr Glu Gly
 85 90 95
 Cys Met Ala Gln Phe Tyr Phe Phe Ala Phe Phe Ala Ile Ser Glu Cys
 100 105 110
 Tyr Val Leu Thr Thr Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn
 115 120 125
 Pro Leu Leu Tyr Asn Ile Val Met Ser Pro Lys Leu Cys Ser Tyr Leu
 130 135 140
 Met Met Gly Thr Tyr Leu Met Gly Phe Ser Gly Ala Met Ile His Thr
 145 150 155 160
 Gly Cys Ile Leu Arg Leu Thr Phe Cys Asp Lys Asn Thr Ile Asn His
 165 170 175
 Tyr Phe Cys Asp Ile Leu Pro Leu Leu Gln Ile Ser Cys Thr Ser Thr
 180 185 190
 Tyr Val Asn Glu Ile Glu Leu Phe Ile Val Ala Gly Lys Asp Ile Ile
 195 200 205
 Val Pro Thr Val Ile Ile Phe Thr Ser Tyr Gly Phe Ile Leu Ser Ser
 210 215 220
 Ile Leu Lys Ile Ser Ser Thr Ala Gly Met Ser Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Ser Ser His Ile Ile Ala Leu Cys Leu Phe Phe Gly Ser Cys Thr
 245 250 255
 Phe Met Tyr Leu Lys Pro Ser Ser Val Glu Ser Met Asp Gln Gly Lys
 260 265 270
 Ile Ser Ser Val Phe Tyr Asn Ile Val Val Pro Leu Met Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Ile Ala Ile Lys Lys Thr
 290 295 300
 Ile Thr Ile Gly Lys Phe
 305 310

<210> 1628
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1628
 Met Gly Phe Glu Asn Gly Ser Ser Val Thr Glu Phe Ile Leu Val Gly

1				5				10				15			
Leu	Thr	Lys	Glu	Ser	Asp	Leu	Gln	Cys	Pro	Leu	Phe	Ile	Leu	Phe	Leu
			20					25					30		
Met	Met	Tyr	Val	Val	Thr	Val	Leu	Gly	Asn	Gln	Gly	Leu	Ile	Ser	Leu
		35					40					45			
Ile	Gly	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Phe
	50					55					60				
Asn	Leu	Ser	Phe	Val	Asp	Leu	Trp	Tyr	Ser	Ser	Val	Phe	Thr	Pro	Lys
65					70					75					80
Met	Leu	Glu	Ser	Phe	Ile	Ser	Glu	Lys	Asn	Thr	Ile	Ser	Tyr	Arg	Gly
				85					90					95	
Cys	Met	Ala	Gln	Leu	Phe	Phe	Phe	Cys	Phe	Phe	Ser	Ile	Ser	Glu	Cys
			100					105					110		
Tyr	Ile	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Asn	Ile	Val	Met	Ser	Pro	Lys	Leu	Cys	Leu	Ile	Leu
		130				135					140				
Met	Phe	Ser	Ser	Tyr	Met	Met	Ala	Phe	Ser	Gly	Ala	Met	Ala	His	Thr
145					150					155					160
Gly	Cys	Met	Leu	Arg	Leu	Thr	Phe	Cys	Asp	Ala	Asn	Thr	Ile	Asn	His
				165					170					175	
Tyr	Phe	Cys	Asp	Ile	Leu	Pro	Val	Met	Gln	Leu	Ser	Cys	Thr	Ser	Thr
		180						185					190		
Tyr	Val	Asn	Glu	Leu	Glu	Val	Phe	Val	Val	Val	Gly	Ile	Asn	Ile	Ile
		195					200					205			
Val	Pro	Thr	Ile	Thr	Ile	Phe	Ile	Ser	Tyr	Gly	Phe	Ile	Ile	Ser	Ser
		210				215					220				
Ile	Phe	Arg	Ile	Ser	Ser	Lys	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ile	Ala	Val	Ser	Leu	Phe	Phe	Gly	Ser	Gly	Ala
			245						250					255	
Phe	Met	Tyr	Leu	Lys	Pro	Ser	Ser	Ala	Glu	Ser	Met	Asn	Glu	Gly	Lys
		260						265					270		
Ile	Ser	Ser	Ile	Phe	Tyr	Thr	Asn	Thr	Val	Pro	Leu	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asp	Ala	Leu	Ile	Lys	Thr
	290					295					300				
Leu	Ser	Lys	Arg	Lys	Arg										
305					310										

<210> 1629
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1629															
Met	Ala	Phe	Gly	Asn	Arg	Ser	Phe	Val	Thr	Glu	Phe	Ile	Leu	Ile	Gly
1				5					10				15		
Leu	Thr	Asp	Gln	Pro	Asn	Leu	Gln	Leu	Pro	Leu	Phe	Phe	Leu	Phe	Leu
		20						25					30		
Val	Met	Tyr	Ile	Val	Thr	Met	Thr	Gly	Asn	Leu	Gly	Leu	Val	Ile	Leu
		35				40					45				
Ile	Gly	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Phe
	50					55					60				
Asn	Leu	Ser	Leu	Ile	Asp	Leu	Cys	Tyr	Ser	Ser	Val	Phe	Thr	Pro	Lys
65					70					75					80

Met	Leu	Leu	Asn	Phe	Ile	Leu	Asn	Lys	Asn	Ile	Ile	Ser	Tyr	Thr	Gly
			85						90					95	
Cys	Met	Thr	Gln	Leu	Tyr	Phe	Tyr	Ser	Phe	Phe	Val	Ile	Ser	Glu	Cys
			100					105					110		
Tyr	Val	Leu	Met	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Asn	Ile	Ala	Met	Thr	Pro	Lys	Ile	Cys	Ser	Tyr	Leu
	130					135					140				
Met	Leu	Gly	Ser	Tyr	Leu	Met	Ala	Phe	Ser	Gly	Ala	Met	Ala	His	Thr
145					150					155					160
Gly	Cys	Met	Leu	Arg	Leu	Thr	Phe	Cys	Asp	Ala	Asn	Thr	Ile	Asn	His
			165						170					175	
Tyr	Phe	Cys	Asp	Ile	Leu	Pro	Val	Met	Gln	Leu	Ser	Cys	Thr	Ser	Thr
			180					185					190		
Tyr	Val	Asn	Glu	Leu	Glu	Val	Phe	Ile	Val	Val	Gly	Ile	Asn	Ile	Leu
		195					200					205			
Val	Pro	Ser	Ile	Thr	Ile	Phe	Ile	Ser	Tyr	Gly	Phe	Ile	Leu	Ser	Ser
	210					215					220				
Ile	Phe	His	Ile	Asn	Ser	Asn	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225				230					235						240
Cys	Ser	Ser	His	Ile	Ile	Ala	Val	Ser	Leu	Phe	Phe	Gly	Ser	Gly	Ala
			245					250						255	
Phe	Met	Tyr	Leu	Lys	Pro	Ser	Ser	Ala	Gly	Ser	Met	Asp	Glu	Gly	Lys
		260						265				270			
Ile	Ser	Ser	Val	Phe	Tyr	Thr	Asn	Val	Val	Pro	Met	Met	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Leu	Arg	Ile	Thr
	290				295						300				
Leu	Ser	Arg	Trp	Lys	Leu	Leu									
305					310										

<210> 1630
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1630

Met	Asp	Ser	Val	Asn	Val	Ser	Leu	Val	Thr	Glu	Phe	Leu	Leu	Val	Gly
1			5					10						15	
Leu	Thr	His	Gln	Pro	Asp	Leu	Gln	Ile	Pro	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Ala	Met	Tyr	Leu	Val	Thr	Ala	Leu	Gly	Asn	Leu	Gly	Leu	Ile	Ile	Leu
	35					40					45				
Val	Leu	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Phe
	50				55					60					
Asn	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Tyr	Ser	Ser	Val	Phe	Ala	Pro	Lys
65				70					75					80	
Met	Leu	Met	Asn	Phe	Ile	Leu	Arg	Gln	Asn	Ala	Ile	Ser	Tyr	Met	Gln
			85					90						95	
Cys	Met	Thr	Gln	Leu	Tyr	Phe	Phe	Phe	Phe	Phe	Val	Val	Ser	Glu	Cys
			100					105					110		
Phe	Val	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Phe	Leu	Tyr	Asn	Val	Met	Ile	Ser	Pro	Gln	Val	Cys	Leu	Asn	Leu
	130					135					140				
Met	Ile	Gly	Ser	Tyr	Leu	Met	Ala	Phe	Ser	Glu	Ala	Val	Val	Leu	Thr

145					150					155				160	
Val	Cys	Met	Leu	Thr	Leu	Thr	Phe	Cys	Asp	Gly	Asn	Ile	Asn	His	Tyr
				165					170					175	
Phe	Cys	Asp	Ile	Leu	Ala	Leu	Phe	Gln	Leu	Ser	Cys	Ser	Ser	Thr	Tyr
			180					185					190		
Val	Asn	Lys	Leu	Val	Ala	Tyr	Val	Ile	Val	Val	Ile	Asn	Ile	Leu	Phe
		195					200					205			
Ser	Thr	Pro	Ala	Ile	Phe	Ile	Ser	Tyr	Gly	Phe	Ile	Leu	Ser	Ser	Ile
	210					215					220				
Phe	Arg	Ile	Ser	Ser	Ser	Lys	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Ile	Ile	Ala	Val	Ser	Leu	Phe	Phe	Gly	Ser	Arg	Ala	Phe
			245						250					255	
Val	Tyr	Phe	Lys	Pro	Ser	Ser	Pro	Gly	Ser	Met	Glu	Trp	Ala	Lys	Ile
		260						265					270		
Ser	Ser	Val	Phe	Tyr	Thr	Asn	Val	Val	Pro	Met	Met	Asn	Pro	Leu	Ile
		275				280						285			
Tyr	Ser	Leu	Lys	Asn	Lys	Asp	Val	Lys	Ile	Ala	Leu	Arg	Lys	Ser	Leu
	290					295					300				
Ala	Arg	Trp	Lys	Ile											
305															

<210> 1631
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1631

Met	Ala	Pro	Ala	Asn	Val	Ser	Leu	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Leu	Thr	Asn	Gln	Pro	Asp	Leu	Gln	Ile	Pro	Leu	Phe	Phe	Val	Phe	Leu
			20					25					30		
Ile	Met	Tyr	Ile	Val	Thr	Ala	Leu	Gly	Asn	Leu	Cys	Leu	Ile	Ile	Leu
		35				40					45				
Ile	Val	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Phe
	50				55					60					
Asn	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Tyr	Ser	Thr	Val	Phe	Thr	Pro	Lys
65				70					75						80
Met	Leu	Met	Asn	Phe	Ile	Leu	Ser	Lys	Asn	Ala	Ile	Ser	Tyr	Met	Gly
			85					90					95		
Cys	Leu	Thr	Gln	Leu	Tyr	Phe	Phe	Cys	Phe	Phe	Val	Ile	Ser	Glu	Cys
		100						105					110		
Tyr	Val	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
	115					120						125			
Pro	Leu	Leu	Tyr	Thr	Val	Ala	Met	Ser	Pro	Lys	Leu	Cys	Leu	Asn	Leu
	130					135					140				
Met	Leu	Gly	Thr	Tyr	Ala	Met	Ala	Phe	Ser	Gly	Ala	Met	Ala	His	Thr
145					150					155					160
Gly	Cys	Met	Leu	Arg	Leu	Thr	Phe	Cys	Asp	Ala	Asn	Thr	Ile	Asn	His
			165						170				175		
Tyr	Phe	Cys	Asp	Ile	Leu	Pro	Val	Met	Gln	Leu	Ser	Cys	Thr	Ser	Thr
		180						185					190		
Tyr	Val	Asn	Glu	Leu	Val	Val	Phe	Ile	Val	Val	Gly	Ile	Asn	Ile	Ile
	195					200					205				
Val	Pro	Ser	Ile	Thr	Ile	Phe	Ile	Ser	Tyr	Gly	Phe	Ile	Leu	Ser	Ser
	210					215					220				

Ile	Phe	His	Ile	Lys	Ser	Asn	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ile	Ala	Val	Cys	Leu	Phe	Phe	Gly	Ser	Gly	Ala
				245					250						255
Phe	Met	Tyr	Leu	Lys	Pro	Ser	Ser	Ser	Ser	Ser	Met	Asp	Gln	Gly	Lys
			260					265					270		
Thr	Ser	Ser	Val	Phe	Tyr	Thr	Asn	Val	Val	Pro	Met	Met	Asn	Pro	Leu
			275				280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ile	Ala	Leu	Arg	Lys	Thr
	290					295					300				
Leu	Ser	Arg	Trp	Lys	Phe										
305					310										

<210> 1632
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1632

Met	Glu	Lys	Ala	Val	Leu	Ile	Asn	Glu	Thr	Ser	Val	Met	Ser	Phe	Arg
1				5					10					15	
Leu	Thr	Gly	Leu	Ser	Thr	Asn	Pro	Leu	Val	Gln	Met	Ala	Val	Phe	Phe
			20					25					30		
Ile	Phe	Leu	Ile	Phe	Tyr	Val	Leu	Thr	Leu	Val	Gly	Asn	Ile	Leu	Ile
		35					40					45			
Val	Ile	Thr	Ile	Ile	Tyr	Asp	Arg	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	Asn	Leu	Ser	Phe	Ile	Asp	Val	Cys	His	Ser	Thr	Val	Thr
65					70				75						80
Val	Pro	Lys	Met	Leu	Ser	Asp	Thr	Phe	Ser	Glu	Glu	Lys	Leu	Ile	Ser
			85						90					95	
Phe	Asp	Ala	Cys	Val	Val	Gln	Met	Phe	Phe	Leu	His	Leu	Phe	Ala	Cys
			100					105					110		
Thr	Glu	Ile	Phe	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala
	115						120					125			
Ile	Cys	Lys	Pro	Leu	Gln	Tyr	Met	Thr	Ile	Met	Asn	Trp	Lys	Val	Cys
	130					135					140				
Met	Met	Leu	Ala	Ala	Ala	Leu	Trp	Thr	Gly	Gly	Thr	Ile	His	Ser	Ile
145					150					155					160
Ser	Leu	Thr	Ser	Leu	Thr	Ile	Lys	Leu	Pro	Tyr	Cys	Gly	Pro	Asp	Glu
			165						170					175	
Ile	Asp	Asn	Phe	Phe	Cys	Asp	Val	Pro	Gln	Val	Ile	Lys	Leu	Ala	Cys
		180						185					190		
Thr	Asp	Thr	His	Ile	Ile	Glu	Ile	Leu	Ile	Val	Ser	Asn	Ser	Gly	Leu
	195						200						205		
Ile	Ser	Val	Val	Cys	Phe	Val	Val	Leu	Val	Val	Ser	Tyr	Ala	Val	Ile
	210					215					220				
Leu	Val	Ser	Leu	Arg	Gln	Gln	Ile	Ser	Asp	Gly	Lys	Arg	Lys	Ala	Leu
225					230					235					240
Ser	Thr	Cys	Ala	Ala	His	Leu	Thr	Val	Val	Thr	Leu	Phe	Leu	Gly	His
			245						250					255	
Cys	Ile	Phe	Ile	Tyr	Ser	Arg	Pro	Ser	Thr	Ser	Leu	Pro	Glu	Asp	Lys
			260					265					270		
Val	Val	Ser	Val	Phe	Phe	Thr	Ala	Val	Thr	Pro	Leu	Leu	Asn	Pro	Ile
		275					280					285			
Ile	Tyr	Thr	Leu	Arg	Asn	Glu	Asp	Met	Lys	Ser	Ala	Leu	Asn	Lys	Leu

290		295		300
Ile Lys Arg Arg Glu Lys				
305		310		

<210> 1633
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1633

Met Gly Ala Leu Asn Gln Thr Arg Val Thr Glu Phe Ile Phe Leu Gly																			
1				5				10						15					
Leu Thr Asp Asn Trp Val Leu Glu Ile Leu Phe Phe Val Pro Phe Thr																			
			20				25						30						
Val Thr Tyr Met Leu Thr Leu Leu Gly Asn Phe Leu Ile Val Val Thr																			
			35				40						45						
Ile Val Phe Thr Pro Arg Leu His Asn Pro Met Tyr Phe Phe Leu Ser																			
			50				55						60						
Asn Leu Ser Phe Ile Asp Ile Cys His Ser Ser Val Thr Val Pro Lys																			
65						70						75							80
Met Leu Glu Gly Leu Leu Glu Arg Lys Thr Ile Ser Phe Asp Asn																			
				85				90											95
Cys Ile Ala Gln Leu Phe Phe Leu His Leu Phe Ala Cys Ser Glu Ile																			
			100				105							110					
Phe Leu Leu Thr Ile Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Ile																			
			115				120							125					
Pro Leu His Tyr Ser Asn Val Met Asn Met Lys Val Cys Val Gln Leu																			
			130				135							140					
Val Phe Ala Leu Trp Leu Gly Gly Thr Ile His Ser Leu Val Gln Thr																			
145						150						155							160
Phe Leu Thr Ile Arg Leu Pro Tyr Cys Gly Pro Asn Ile Ile Asp Ser																			
				165				170											175
Tyr Phe Cys Asp Val Pro Pro Val Ile Lys Leu Ala Cys Thr Asp Thr																			
			180				185												190
Tyr Leu Thr Gly Ile Leu Ile Val Ser Asn Ser Gly Thr Ile Ser Leu																			
			195				200							205					
Val Cys Phe Leu Ala Leu Val Thr Ser Tyr Thr Val Ile Leu Phe Ser																			
			210				215							220					
Leu Arg Lys Lys Ser Ala Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys																			
225						230						235							240
Ser Ala His Phe Met Val Val Thr Leu Phe Phe Gly Pro Cys Ile Phe																			
				245				250											255
Leu Tyr Thr Arg Pro Asp Ser Ser Phe Ser Ile Asp Lys Val Val Ser																			
			260				265												270
Val Phe Tyr Thr Val Val Thr Pro Leu Leu Asn Pro Leu Ile Tyr Thr																			
			275				280							285					
Leu Arg Asn Glu Glu Val Lys Thr Ala Met Lys His Leu Arg Gln Arg																			
			290				295							300					
Arg Ile Cys Ser																			
305																			

<210> 1634
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1634

Met	Ser	Gln	Lys	Arg	Met	Ala	Pro	Arg	Asn	Ser	Ser	Ser	Val	Thr	Glu
1				5					10					15	
Phe	Ile	Leu	Val	Gly	Phe	Ser	Asn	Gln	Pro	Ala	Leu	Gln	Leu	Pro	Leu
			20					25					30		
Phe	Phe	Val	Phe	Leu	Gly	Ile	Tyr	Val	Leu	Thr	Val	Ile	Gly	Asn	Leu
		35					40					45			
Gly	Leu	Ile	Thr	Leu	Ile	Gly	Leu	Asn	Ser	Ser	Leu	His	Thr	Pro	Met
	50					55					60				
Tyr	Phe	Phe	Leu	Phe	Asn	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Tyr	Ser	Cys
65					70					75					80
Val	Phe	Thr	Pro	Lys	Met	Leu	Ser	Asp	Phe	Val	Ser	Glu	Asn	Ile	Ile
				85					90					95	
Ser	Tyr	Met	Gly	Cys	Met	Thr	Gln	Leu	Phe	Phe	Phe	Cys	Phe	Phe	Val
			100					105					110		
Asn	Ser	Glu	Cys	Tyr	Val	Leu	Val	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val
		115						120				125			
Ala	Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Thr	Val	Thr	Met	Ser	Pro	Gln	Val
	130					135					140				
Cys	Thr	Leu	Leu	Met	Phe	Cys	Ser	Tyr	Val	Ile	Gly	Phe	Ala	Gly	Ala
145					150					155					160
Met	Ala	His	Thr	Gly	Ser	Met	Leu	Thr	Leu	Thr	Phe	Cys	Asp	Ser	Asn
				165					170					175	
Met	Ile	His	His	Tyr	Leu	Cys	Glu	Val	Leu	Pro	Leu	Leu	Gln	Leu	Ser
			180					185					190		
Cys	Thr	Ser	Thr	Tyr	Ala	Asn	Glu	Leu	Val	Phe	Phe	Ile	Val	Val	Gly
		195					200					205			
Val	Val	Ile	Thr	Ala	Ser	Ser	Ile	Ser	Ile	Phe	Ile	Ser	Tyr	Ala	Leu
	210					215					220				
Ile	Leu	Ser	Asn	Ile	Leu	Lys	Ile	Pro	Ser	Ala	Glu	Gly	Arg	Ser	Lys
225					230					235					240
Ala	Phe	Gly	Thr	Cys	Gly	Ser	His	Val	Val	Ala	Val	Ala	Leu	Phe	Phe
				245					250					255	
Gly	Ser	Gly	Ala	Phe	Thr	Tyr	Leu	Thr	Thr	Ser	Phe	Pro	Gly	Ser	Met
			260					265					270		
Glu	Glu	Gly	Arg	Phe	Ala	Ser	Val	Phe	Tyr	Thr	Asn	Val	Val	Pro	Met
	275					280					285				
Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Leu	Ala
	290					295					300				
Leu	Asn	Lys	Thr	Leu	Lys	Arg	Val	Leu	Phe						
305					310										

<210> 1635

<211> 316

<212> PRT

<213> Mus musculus

<400> 1635

Met	Ala	Lys	Asn	Asn	Ile	Thr	Thr	Val	Thr	Glu	Phe	Ile	Leu	Ile	Gly
1				5					10					15	
Phe	Asn	Asp	His	Pro	Lys	Trp	Glu	Ile	Pro	Leu	Leu	Leu	Val	Phe	Leu
			20					25					30		
Ser	Phe	Tyr	Leu	Val	Thr	Met	Leu	Gly	Asn	Leu	Gly	Met	Val	Ile	Leu
		35					40					45			
Ile	His	Val	Asp	Val	Gln	Leu	His	Ile	Pro	Met	Tyr	Phe	Phe	Leu	Ser

50		55		60											
His	Leu	Ser	Val	Leu	Asp	Ala	Cys	Tyr	Thr	Ser	Val	Ile	Thr	Pro	Gln
65					70					75					80
Ile	Leu	Ala	Thr	Leu	Ala	Thr	Gly	Lys	Thr	Val	Ile	Ser	Tyr	Arg	Cys
				85						90					95
Cys	Ala	Ala	Gln	Phe	Phe	Phe	Phe	Thr	Ile	Cys	Ala	Ala	Thr	Glu	Cys
			100						105					110	
Phe	Leu	Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ser	Asn
		115						120					125		
Pro	Leu	Leu	Tyr	Thr	Val	Ala	Met	Gly	Pro	Arg	Lys	Cys	Trp	Ser	Leu
		130				135						140			
Val	Val	Gly	Ala	Tyr	Ile	Cys	Gly	Val	Cys	Gly	Ala	Ile	Leu	Arg	Thr
145					150					155					160
Thr	Cys	Thr	Phe	Ser	Leu	Ser	Phe	Cys	Glu	Asn	Asn	Gln	Ile	Asn	Phe
				165						170					175
Phe	Phe	Cys	Asp	Leu	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr
			180						185					190	
Thr	Asn	Ile	Glu	Ile	Ile	Ile	Val	Phe	Phe	Gly	Asn	Phe	Val	Ile	Leu
	195						200					205			
Ala	Asn	Ala	Leu	Val	Ile	Leu	Ile	Ser	Tyr	Leu	Leu	Ile	Ile	Lys	Ala
	210					215					220				
Val	Met	Arg	Met	Lys	Ser	Ser	Gly	Arg	Arg	Ala	Lys	Thr	Phe	Ser	Thr
225					230					235					240
Cys	Val	Ser	His	Leu	Thr	Ala	Val	Ala	Leu	Leu	Phe	Gly	Thr	Leu	Ile
			245						250						255
Phe	Met	Tyr	Ile	Arg	Ser	Gly	Ser	Lys	Lys	Ser	Leu	Asp	Glu	Asp	Lys
		260						265					270		
Val	Val	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ala	Ala	Phe	Lys	Lys	Val
	290					295				300					
Thr	Gly	Lys	Cys	Gln	Val	Ser	Gln	Cys	Thr	Gln	His				
305					310					315					

<210> 1636
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1636

Met	Asp	Asn	Asn	Asn	Leu	Thr	Thr	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly
1				5					10				15		
Phe	Thr	Asp	His	Pro	Glu	Trp	Glu	Val	Pro	Leu	Phe	Leu	Val	Phe	Leu
			20					25					30		
Cys	Phe	Tyr	Leu	Val	Thr	Ile	Leu	Gly	Asn	Leu	Gly	Met	Val	Ile	Leu
	35						40					45			
Ile	Gln	Met	Asp	Val	Gln	Leu	Gln	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ser	Val	Leu	Asp	Ala	Cys	Tyr	Thr	Ser	Val	Ile	Thr	Pro	Gln
65					70					75					80
Ile	Leu	Ala	Met	Leu	Ala	Thr	Gly	Lys	Thr	Val	Ile	Ser	Tyr	Asn	His
			85						90					95	
Cys	Ala	Ala	Gln	Phe	Phe	Phe	Phe	Thr	Phe	Cys	Ala	Ser	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ser	Asn
		115					120					125			

Pro	Leu	Leu	Tyr	Thr	Val	Ala	Met	Ser	Pro	Lys	Lys	Cys	Trp	Ser	Leu
130						135					140				
Val	Leu	Val	Ala	Tyr	Val	Cys	Gly	Leu	Ser	Gly	Ser	Ile	Gln	Arg	Thr
145					150					155					160
Thr	Cys	Thr	Phe	Ser	Leu	Ser	Phe	Cys	Glu	Asp	Asn	Lys	Ile	Asn	Phe
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr
			180					185					190		
Thr	Asn	Ala	Glu	Ile	Ile	Ile	Val	Leu	Phe	Gly	Asn	Phe	Val	Ile	Leu
	195						200					205			
Val	Asn	Ala	Leu	Val	Ile	Leu	Thr	Ser	Tyr	Leu	Leu	Ile	Ile	Lys	Thr
	210					215					220				
Val	Met	Arg	Ile	Lys	Ser	Ser	Gly	Gly	Arg	Gly	Lys	Thr	Phe	Ser	Thr
225					230					235					240
Cys	Val	Ser	His	Leu	Thr	Ala	Val	Ala	Leu	Phe	Phe	Gly	Thr	Leu	Thr
			245						250					255	
Phe	Met	Tyr	Ile	Arg	Ser	Gly	Ser	Gly	Lys	Ser	Pro	Glu	Glu	Asp	Lys
			260					265						270	
Val	Val	Ser	Val	Phe	Tyr	Thr	Val	Ile	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ala	Gly	Phe	Arg	Lys	Leu
	290				295						300				
Thr	Ser	Arg	Leu	Gln	Val	Ser	Gln	Ser	Val						
305					310										

<210> 1637
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1637

Met	Lys	Asn	Gln	Ser	Gly	Glu	Leu	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Asp	Asp	Pro	Gln	Leu	Gln	Ile	Leu	Ile	Phe	Leu	Phe	Leu	Phe	Phe	Asn
			20					25					30		
Tyr	Ile	Leu	Ser	Met	Met	Gly	Asn	Leu	Thr	Ile	Ile	Leu	Leu	Thr	Leu
	35					40						45			
Leu	Asp	Pro	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50				55					60					
Ser	Phe	Ile	Glu	Ile	Ala	Phe	Thr	Thr	Val	Cys	Ile	Pro	Arg	Phe	Leu
65					70					75					80
Ile	Ser	Ile	Leu	Ser	Gly	Asp	Arg	Thr	Ile	Ser	Tyr	Asn	Ala	Cys	Ala
			85						90					95	
Ala	Gln	Leu	Phe	Phe	Val	Phe	Leu	Leu	Gly	Ser	Thr	Glu	Phe	Tyr	Leu
		100						105					110		
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg	Pro	Leu
		115					120					125			
His	Tyr	Pro	Ile	Ile	Met	Asn	Ser	Lys	Val	Cys	His	Leu	Leu	Val	Leu
	130					135					140				
Ser	Ser	Trp	Val	Thr	Gly	Phe	Leu	Ile	Ile	Phe	Pro	Pro	Leu	Leu	Leu
145					150					155					160
Gly	Leu	Lys	Leu	Asp	Phe	Cys	Thr	Ser	Gly	Ala	Met	Asp	His	Phe	Leu
			165						170					175	
Cys	Asp	Pro	Ser	Pro	Val	Leu	Gln	Leu	Ser	Cys	Thr	Asp	Thr	Gln	Leu
		180						185				190			
Ile	Glu	Leu	Met	Thr	Phe	Val	Leu	Ala	Ile	Met	Thr	Leu	Ile	Ile	Thr

195	200	205
Leu Ile Leu Val Ile Leu Ser Tyr Thr Leu Ile Ile Lys Thr Ile Leu		
210	215	220
Lys Phe Pro Ser Ala Gln Gln Arg Arg Lys Ala Phe Ser Thr Cys Ser		
225	230	235
Ser His Met Val Val Val Ser Ile Thr Tyr Gly Ser Cys Ile Phe Met		
245	250	255
Tyr Val Lys Thr Ser Ala Lys Glu Arg Val Thr Leu Asn Lys Gly Val		
260	265	270
Ala Val Leu Asn Thr Ser Val Ala Pro Leu Leu Asn Pro Phe Ile Tyr		
275	280	285
Thr Leu Arg Asn Gln Gln Val Lys Asp Ala Phe Lys His Met Leu His		
290	295	300
Arg Phe Cys Thr Lys Gln		
305	310	

<210> 1638
 <211> 306
 <212> PRT
 <213> Mus musculus

<400> 1638

Met Ser Asn Val Thr Glu Phe Ile Leu Leu Gly Leu Thr Gln Asp Pro	
1 5 10 15	
Asp Leu Gln Lys Leu Leu Phe Ile Val Cys Leu Ile Ile Tyr Leu Ile	
20 25 30	
Thr Leu Ala Gly Asn Met Leu Ile Ser Val Thr Ile Phe Ile Ser Pro	
35 40 45	
Ala Leu Ala Thr Pro Met Tyr Phe Phe Leu Ser Tyr Leu Ser Ile Ile	
50 55 60	
Asp Gly Phe Tyr Ser Ser Ser Ile Ala Pro Lys Met Ile Tyr Asp Leu	
65 70 75 80	
Ile Ser Glu Lys Ser Thr Ile Ser Phe Asn Gly Cys Met Thr Gln Leu	
85 90 95	
Phe Ala Glu His Phe Phe Ala Ala Asp Glu Ile Ile Leu Leu Ile Ala	
100 105 110	
Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu His Tyr Met	
115 120 125	
Thr Ile Met Ser Gln Pro Leu Cys Val Phe Leu Val Gly Ala Ala Val	
130 135 140	
Ile Leu Gly Phe Ile His Gly Ala Ile Gln Thr Leu Phe Met Ala Gln	
145 150 155 160	
Leu Pro Phe Cys Gly Pro Asn Thr Ile Asn His Phe Met Cys Asp Leu	
165 170 175	
Ile Pro Leu Leu Glu Leu Ala Cys Thr Asp Thr His Thr Leu Gly Pro	
180 185 190	
Leu Ile Ala Ala Asn Ser Gly Ser Leu Cys Leu Leu Thr Phe Ser Met	
195 200 205	
Leu Val Ala Ser Tyr Val Val Ile Leu Arg Ser Leu Arg Asn His Ser	
210 215 220	
Ala Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Ala Ser His Val Thr	
225 230 235 240	
Val Val Val Leu Phe Phe Val Pro Cys Ser Tyr Leu Tyr Leu Arg Pro	
245 250 255	
Met Thr Ser Phe Pro Thr Asp Lys Ala Val Thr Val Phe Cys Thr Leu	
260 265 270	

Val	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Glu	Glu
		275					280					285			
Val	Lys	Arg	Val	Met	Lys	Lys	Leu	Trp	Gly	Arg	Met	Arg	Lys	Ala	Gly
	290					295					300				
Asp	Met														
305															

<210> 1639
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 1639

Met	Val	His	Glu	Asn	Asn	Val	Thr	Glu	Leu	Ile	Phe	Thr	Gly	Leu	Phe
1				5					10					15	
Gln	Asp	Pro	Glu	Val	Gln	Lys	Val	Cys	Phe	Val	Leu	Phe	Leu	Pro	Val
			20					25					30		
Tyr	Leu	Ala	Thr	Leu	Leu	Gly	Asn	Gly	Leu	Ile	Phe	Val	Thr	Val	Ser
		35					40					45			
Ile	Ser	Lys	Thr	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Ser	Leu
	50					55					60				
Ser	Leu	Val	Glu	Ile	Cys	Tyr	Ser	Ser	Thr	Val	Ala	Pro	Lys	Phe	Ile
65					70					75					80
Thr	Asp	Leu	Leu	Ala	Lys	Val	Lys	Thr	Ile	Ser	Leu	Lys	Gly	Cys	Leu
				85					90					95	
Thr	Gln	Ile	Phe	Phe	Phe	His	Phe	Phe	Gly	Val	Val	Glu	Ile	Ile	Leu
			100					105					110		
Leu	Val	Met	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Met	Ile	Ile	Met	Ser	Arg	Gln	Val	Cys	His	Met	Leu	Val	Ala
	130					135					140				
Gly	Ser	Trp	Leu	Gly	Gly	Leu	Ile	His	Ser	Ile	Ile	Gln	Ile	Ile	Ile
145					150					155					160
Thr	Ile	Pro	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Tyr	Phe
				165					170					175	
Cys	Asp	Leu	His	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr	Phe	Met
		180						185					190		
Glu	Arg	Phe	Ile	Val	Met	Ala	Asn	Ser	Gly	Leu	Phe	Ser	Ile	Ile	Ser
		195					200					205			
Leu	Phe	Ile	Leu	Val	Ser	Ser	Tyr	Ala	Val	Ile	Leu	Ile	Ser	Leu	Arg
	210					215					220				
Lys	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ala	Ser
225					230					235					240
His	Ile	Thr	Val	Val	Ile	Leu	Tyr	Phe	Gly	Pro	Gly	Ala	Phe	Ile	Tyr
				245					250					255	
Met	Arg	Pro	Ser	Ser	Ala	Phe	Thr	Glu	Asp	Lys	Leu	Val	Ser	Val	Phe
			260					265					270		
Tyr	Thr	Val	Ile	Thr	Pro	Met	Leu	Asn	Pro	Ile	Val	Tyr	Thr	Leu	Arg
		275					280					285			
Asn	Thr	Glu	Met	Lys	Asn	Ala	Ile	Arg	Met	Phe	Trp	Ser	Gln	Lys	Asp
	290					295					300				
Lys															
305															

<210> 1640

<211> 314
 <212> PRT
 <213> Mus musculus

<400> 1640

Met	Gly	Glu	Arg	Asn	Asn	Val	Thr	Glu	Phe	Val	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Gln	Asp	Pro	Ala	Gly	Gln	Lys	Val	Leu	Phe	Val	Met	Phe	Leu	Leu	Ile
			20					25					30		
Tyr	Ile	Val	Thr	Met	Val	Gly	Asn	Leu	Leu	Ile	Val	Leu	Thr	Val	Ile
		35					40					45			
Ala	Ser	Pro	Ser	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Cys	Leu
	50					55					60				
Ser	Phe	Leu	Asp	Ile	Val	Tyr	Ser	Thr	Ser	Ile	Ser	Pro	Lys	Leu	Ile
65					70					75					80
Met	Asp	Leu	Leu	Cys	Asp	Glu	Lys	Ser	Ile	Ser	Phe	Thr	Ala	Cys	Met
				85					90					95	
Ser	Gln	Leu	Phe	Ile	Glu	His	Leu	Phe	Gly	Gly	Thr	Glu	Ile	Val	Ile
			100					105					110		
Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Leu	Thr	Ile	Met	Asn	Arg	Lys	Val	Cys	Ile	Ile	Leu	Leu	Gly
	130					135					140				
Phe	Ser	Trp	Val	Gly	Gly	Phe	Thr	His	Ser	Met	Ile	Gln	Ile	Leu	Phe
145				150						155					160
Val	Phe	Asn	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Ile	Ile	Asp	His	Phe	Met
				165					170					175	
Cys	Asp	Met	Ser	Pro	Leu	Leu	Gly	Leu	Val	Cys	Thr	Asp	Thr	Tyr	Phe
			180					185					190		
Ile	Gly	Leu	Thr	Leu	Ile	Ala	Lys	Gly	Gly	Ala	Met	Cys	Ile	Val	Val
	195						200					205			
Phe	Ile	Leu	Leu	Ile	Val	Ser	Tyr	Gly	Ile	Ile	Leu	Arg	Ser	Leu	Lys
	210					215					220				
Asn	Tyr	Ser	Gln	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ser	Ser
225					230					235					240
His	Ile	Met	Val	Val	Thr	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe	Met	Tyr
				245					250					255	
Ala	Arg	Pro	Val	Tyr	Asn	Phe	Ser	Ser	Asp	Lys	Tyr	Ile	Thr	Val	Phe
			260					265					270		
Tyr	Thr	Val	Phe	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg
	275						280					285			
Asn	Ser	Glu	Met	Lys	Asn	Ser	Met	Gln	Lys	Leu	Trp	Cys	Thr	Leu	Leu
	290					295					300				
Thr	Met	Asp	Arg	Ile	Arg	Leu	Ser	Cys	Tyr						
305					310										

<210> 1641
 <211> 307
 <212> PRT
 <213> Mus musculus

<400> 1641

Met	Gly	Gln	Asn	Asn	Asn	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Gln	Asp	Pro	Ala	Gly	Gln	Lys	Val	Leu	Phe	Val	Met	Phe	Leu	Leu	Ile
			20					25					30		

Tyr Ile Val Lys Ile Val Gly Asn Leu Leu Ile Val Gly Thr Val Ile
 35 40 45
 Ala Ser Pro Ser Leu Gly Ser Pro Met Tyr Phe Phe Leu Ala Phe Leu
 50 55 60
 Ser Leu Met Asp Ala Val Tyr Ser Thr Ala Ile Leu Pro Lys Leu Leu
 65 70 75 80
 Thr Asp Leu Leu Cys Asp Lys Lys Thr Ile Ser Phe Thr Ala Cys Leu
 85 90 95
 Val Gln Leu Phe Val Glu His Leu Phe Gly Gly Ser Glu Val Phe Ile
 100 105 110
 Leu Val Val Met Ala Tyr Asp His Tyr Val Ala Ile Cys Lys Pro Leu
 115 120 125
 His Tyr Leu Thr Ile Met Lys Arg Gln Val Cys Ile Leu Leu Val Val
 130 135 140
 Val Ser Trp Ala Gly Gly Phe Val His Ala Leu Leu Gln Ala Ile Ser
 145 150 155 160
 Val Tyr Leu Leu Pro Phe Cys Gly Pro Asn Val Ile Asp His Phe Ala
 165 170 175
 Cys Asp Ile Tyr Pro Leu Leu Gly Leu Ala Cys Thr Asp Thr Tyr Phe
 180 185 190
 Leu Gly Leu Thr Val Val Ser Ser Tyr Gly Ala Met Ser Ile Val Ala
 195 200 205
 Phe Ile Leu Leu Leu Val Ser Tyr Gly Ile Ile Leu Asn Ser Leu Lys
 210 215 220
 Thr His Ser Gln Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Ser Ser
 225 230 235 240
 His Ile Met Val Val Leu Phe Phe Val Pro Cys Ile Phe Met Tyr
 245 250 255
 Val Arg Pro Val Ser Asn Phe Pro Ile Asp Lys Tyr Ile Thr Val Phe
 260 265 270
 Tyr Thr Val Phe Thr Pro Met Leu Asn Pro Leu Ile Tyr Thr Leu Arg
 275 280 285
 Asn Met Glu Ile Lys Asn Cys Met Ala Lys Leu Trp Ser Lys Met Phe
 290 295 300
 Thr Lys Ala
 305

<210> 1642
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1642
 Met Gly Gln Arg Asn Asn Val Thr Glu Phe Ile Leu Leu Gly Leu Thr
 1 5 10 15
 Gln Asp Pro Ala Gly Gln Lys Ala Leu Phe Val Met Phe Leu Leu Ile
 20 25 30
 Tyr Ile Val Thr Met Val Gly Asn Leu Leu Ile Val Ala Thr Val Ile
 35 40 45
 Ala Ser Pro Ser Leu Gly Ser Pro Met Tyr Phe Phe Leu Ala Tyr Leu
 50 55 60
 Ser Ile Met Asp Ala Val Tyr Ser Thr Ser Thr Ser Pro Lys Leu Ile
 65 70 75 80
 Met Asp Leu Leu Ser Asp Lys Lys Thr Ile Ser Phe Ser Ala Cys Met
 85 90 95
 Gly Gln Leu Phe Ile Glu His Leu Phe Gly Gly Ala Glu Val Phe Leu

Cys	Asp	Leu	Phe	Pro	Leu	Leu	Gln	Leu	Ala	Cys	Met	Asp	Thr	His	Ile
		180						185					190		
Leu	Ala	Leu	Leu	Val	Ile	Leu	Asn	Ser	Gly	Val	Met	Cys	Val	Thr	Ile
		195					200					205			
Phe	Leu	Ile	Leu	Ile	Thr	Ser	Tyr	Val	Val	Ile	Leu	Cys	Ser	Leu	Lys
	210					215					220				
Ser	Ser	Ser	Ser	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ser	Ser
225					230					235					240
His	Phe	Thr	Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile	Ile	Leu	Tyr
			245						250					255	
Met	Arg	Pro	Val	Val	Thr	Tyr	Pro	Ile	Asp	Asn	Ala	Met	Ala	Leu	Cys
		260						265					270		
Ala	Thr	Ile	Phe	Glu	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg
		275					280					285			
Asn	Ala	Glu	Val	Lys	His	Ala	Leu	Arg	Lys	Leu	Trp	Met	Lys	Arg	Gly
	290					295					300				
Pro															
305															

<210> 1644
 <211> 307
 <212> PRT
 <213> Mus musculus

<400> 1644

Met	Gly	Glu	Lys	Ser	Asn	Ile	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Gln	Asp	Pro	Ala	Gly	Arg	Lys	Ile	Leu	Phe	Phe	Ile	Phe	Leu	Leu	Ile
		20						25				30			
Tyr	Ile	Val	Thr	Met	Val	Gly	Asn	Leu	Leu	Ile	Val	Val	Thr	Val	Ile
	35						40					45			
Thr	Ser	Pro	Ser	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Ser	Leu
	50					55					60				
Ser	Leu	Leu	Asp	Ala	Leu	Phe	Ser	Thr	Ala	Ile	Ser	Pro	Lys	Leu	Ile
65					70				75						80
Val	Asp	Leu	Phe	Cys	Asp	Gln	Lys	Thr	Ile	Ser	Phe	Thr	Ala	Cys	Ile
			85						90					95	
Ser	Gln	Leu	Phe	Ile	Glu	His	Leu	Phe	Gly	Gly	Val	Asp	Ile	Val	Ile
		100						105					110		
Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Leu	Ala	Ile	Met	Asn	Arg	Arg	Val	Cys	Ile	Thr	Leu	Leu	Ile
	130					135					140				
Ile	Ala	Trp	Thr	Gly	Gly	Phe	Thr	His	Ser	Leu	Ile	Gln	Ile	Val	Phe
145					150					155					160
Val	Tyr	Asn	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Phe	Ile
			165						170					175	
Cys	Asp	Met	Ser	Pro	Leu	Leu	Val	Leu	Ala	Cys	Thr	Asp	Thr	Tyr	Phe
		180							185				190		
Ile	Gly	Leu	Thr	Val	Ile	Ala	Asn	Gly	Gly	Ala	Met	Cys	Ile	Val	Ile
	195						200					205			
Phe	Thr	Leu	Leu	Leu	Gly	Ser	Tyr	Gly	Ile	Ile	Leu	Lys	Ser	Leu	Lys
	210					215					220				
Thr	His	Ser	Gln	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ser	Ser
225					230						235				240
His	Ile	Leu	Val	Val	Ile	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe	Met	Tyr

<210> 1646
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1646
 Met Ala Leu Ala Asn Gly Ser Phe Val Thr Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Leu Thr Asp Gln Pro Asp Leu Gln Met Pro Leu Phe Leu Ile Phe Leu
 20 25 30
 Ile Ile Tyr Leu Ile Thr Ala Phe Gly Asn Leu Thr Leu Ile Ile Leu
 35 40 45
 Ile Val Leu Asn Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Phe
 50 55 60
 Asn Leu Ser Phe Ile Asp Leu Cys Tyr Ser Ser Leu Ile Thr Pro Lys
 65 70 75 80
 Met Leu Met Asn Phe Val Leu Glu Lys Asn Ile Ile Ser Tyr Met Gly
 85 90 95
 Cys Met Thr Gln Phe Tyr Phe Phe Gly Phe Phe Ala Ile Ser Glu Cys
 100 105 110
 Tyr Val Leu Thr Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn
 115 120 125
 Pro Leu Leu Tyr Ser Val Ala Met Ser Pro Lys Met Cys Ser Tyr Leu
 130 135 140
 Ile Leu Gly Ser Tyr Phe Met Gly Phe Ser Gly Ala Met Ile His Thr
 145 150 155 160
 Gly Cys Val Met Arg Leu Thr Phe Cys Asp Gly Asn Thr Ile Asn His
 165 170 175
 Tyr Phe Cys Asp Leu Leu Pro Leu Leu Gln Leu Ser Cys Thr Ser Thr
 180 185 190
 Tyr Val Asn Glu Ile Glu Leu Phe Ile Val Thr Gly Lys Asp Ile Ile
 195 200 205
 Val Pro Thr Val Ile Ile Phe Ala Ser Tyr Gly Phe Ile Leu Ser Asn
 210 215 220
 Ile Leu Lys Ile Arg Ser Thr Ser Gly Arg Ser Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Ser Ser His Ile Ile Ala Val Ser Met Phe Phe Gly Ser Ser Ala
 245 250 255
 Phe Met Tyr Leu Lys Pro Ser Ser Ala Val Ser Met Asn Glu Ala Lys
 260 265 270
 Phe Ser Ser Ile Phe Tyr Ser Ile Val Val Pro Met Met Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Val Gly Leu Lys Lys Thr
 290 295 300
 Leu Ser Arg Met Phe Ser His Asn Leu Ile Ser Leu
 305 310 315

<210> 1647
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1647
 Met Gly Ser Glu Asn Gly Ser Ser Val Thr Glu Phe Ile Leu Val Gly

1				5				10					15			
Leu	Thr	Lys	Asp	Pro	Asp	Leu	Gln	Cys	Pro	Leu	Phe	Val	Leu	Phe	Leu	
			20					25					30			
Val	Met	Tyr	Val	Leu	Thr	Val	Leu	Gly	Asn	Leu	Ser	Leu	Ile	Thr	Leu	
		35					40					45				
Ile	Val	Leu	Asn	Ser	His	Leu	Pro	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Phe	
	50					55					60					
Asn	Leu	Ser	Leu	Val	Asp	Phe	Trp	Tyr	Ser	Ser	Val	Phe	Thr	Pro	Lys	
65					70					75					80	
Met	Leu	Met	Ser	Phe	Ile	Ser	Glu	Lys	Asn	Ile	Ile	Ser	Tyr	Arg	Gly	
				85					90					95		
Cys	Met	Ala	Gln	Leu	Phe	Phe	Phe	Ser	Phe	Phe	Cys	Ile	Ser	Glu	Cys	
			100					105					110			
Tyr	Val	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	
		115					120					125				
Pro	Leu	Leu	Tyr	Asn	Ile	Val	Met	Ser	Pro	Lys	Leu	Cys	Leu	Asn	Leu	
		130				135					140					
Ile	Leu	Gly	Ser	Tyr	Ile	Met	Ala	Phe	Ser	Gly	Ala	Met	Ala	His	Thr	
145					150					155					160	
Gly	Cys	Met	Leu	Arg	Leu	Thr	Phe	Cys	Asp	Ala	Asn	Thr	Ile	Asn	His	
				165					170					175		
Tyr	Phe	Cys	Asp	Ile	His	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Thr	Ser	Ile	
			180					185					190			
Tyr	Val	Asn	Glu	Leu	Glu	Val	Phe	Val	Val	Ile	Gly	Ile	Asn	Ile	Ile	
		195					200					205				
Val	Pro	Thr	Ile	Thr	Ile	Phe	Ile	Ser	Tyr	Gly	Phe	Ile	Leu	Ser	Ser	
		210				215					220					
Ile	Phe	His	Ile	Ser	Ser	Lys	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr	
225					230					235					240	
Cys	Ser	Ser	His	Ile	Ile	Ala	Val	Ser	Leu	Phe	Phe	Gly	Ser	Gly	Ala	
				245					250					255		
Phe	Met	Tyr	Leu	Lys	Pro	Ser	Ser	Ala	Glu	Ser	Met	Asn	Glu	Ser	Lys	
			260					265					270			
Val	Ser	Ser	Val	Phe	Tyr	Thr	Asn	Thr	Val	Pro	Leu	Leu	Asn	Pro	Leu	
			275				280					285				
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ile	Ala	Leu	Ile	Lys	Thr	
	290					295					300					
Leu	Ser	Lys	Arg	Lys	Cys											
305					310											

<210> 1648
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1648

Met	Asp	Ser	Val	Asn	Ile	Ser	Leu	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly	
1				5					10				15			
Leu	Thr	Asp	Lys	Pro	Tyr	Leu	Gln	Ile	Pro	Leu	Phe	Phe	Ile	Phe	Leu	
		20						25					30			
Ala	Met	Tyr	Leu	Val	Thr	Ala	Leu	Gly	Asn	Leu	Ser	Leu	Ile	Ile	Leu	
		35					40					45				
Thr	Val	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Phe	
	50					55					60					
Asn	Leu	Ser	Phe	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Val	Phe	Thr	Pro	Gln	
65					70					75					80	

Met	Leu	Met	Asn	Phe	Ile	Thr	Arg	Lys	Asn	Thr	Ile	Ser	Tyr	Met	Glu
			85						90					95	
Cys	Met	Ser	Gln	Leu	Tyr	Phe	Phe	Cys	Phe	Phe	Val	Ile	Ser	Glu	Cys
			100					105					110		
Tyr	Val	Leu	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Leu	Tyr	Asn	Leu	Val	Met	Ser	Ser	Lys	Leu	Cys	Leu	Asn	Leu
	130					135					140				
Met	Leu	Val	Ser	Tyr	Phe	Ile	Ala	Phe	Ser	Glu	Ser	Val	Ala	His	Thr
145					150					155					160
Val	Cys	Ile	Met	Arg	Leu	Asn	Phe	Cys	Asp	Ala	Asn	Lys	Ile	Asn	His
			165						170					175	
Tyr	Phe	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Thr	Thr	Thr
			180					185					190		
Tyr	Ile	Asn	Lys	Leu	Val	Val	Phe	Val	Ala	Ser	Ser	Ile	Asn	Ile	Ile
	195						200					205			
Val	Pro	Ile	Ser	Thr	Ile	Phe	Ile	Ser	Tyr	Gly	Phe	Ile	Leu	Ser	Ser
	210					215					220				
Ile	Phe	His	Ile	His	Ser	Ser	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ile	Ala	Ala	Phe	Leu	Phe	Phe	Gly	Ser	Gly	Ala
			245					250						255	
Phe	Met	Tyr	Phe	Gln	Pro	Ser	Ser	Ala	Glu	Ser	Met	Asp	Glu	Gly	Lys
		260					265					270			
Ile	Ser	Ser	Val	Phe	Tyr	Thr	Asn	Val	Ile	Pro	Met	Met	Asn	Pro	Leu
	275						280					285			
Leu	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Ile	Lys	Val	Ala	Leu	Arg	Lys	Thr
	290				295						300				
Leu	Ser	Lys	Arg	Asn	Ile										
305					310										

<210> 1649
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1649

Met	Gly	Thr	Gly	Asn	His	Ser	Ala	Ala	Val	Val	Phe	Val	Leu	Val	Gly
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Leu	Thr	Gln	Gln	Pro	Glu	Leu	Leu	Leu	Pro	Leu	Phe	Ile	Leu	Phe	Leu
		20						25					30		
Gly	Ile	Tyr	Val	Val	Thr	Ala	Val	Gly	Asn	Leu	Gly	Met	Ile	Leu	Leu
	35					40					45				
Ile	Thr	Val	Ser	Pro	Leu	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Ser
	50					55					60				
Ser	Leu	Ser	Cys	Val	Asp	Leu	Cys	Tyr	Ser	Thr	Val	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Val	Asn	Phe	Leu	Gly	Lys	Lys	Asn	Val	Ile	Val	Tyr	Ser	Glu
			85					90						95	
Cys	Met	Ala	Gln	Leu	Phe	Phe	Phe	Val	Ile	Phe	Val	Val	Ala	Glu	Gly
		100						105					110		
Tyr	Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg
	115					120						125			
Pro	Leu	Leu	Tyr	Asn	Val	Ile	Met	Ser	Ser	Arg	Leu	Cys	Ser	Leu	Leu
	130				135						140				
Val	Leu	Val	Ala	Phe	Ile	Leu	Gly	Phe	Val	Ser	Ala	Leu	Ala	His	Thr

145					150					155				160
Ser	Ala	Met	Met	Asn	Leu	Ser	Phe	Cys	Lys	Ser	His	Ile	Ile	Ser
				165					170					175
Tyr	Phe	Cys	Asp	Val	Leu	Pro	Leu	Leu	Asn	Leu	Ser	Cys	Ser	Asn
			180						185					190
His	Leu	Asn	Glu	Leu	Leu	Leu	Phe	Ile	Ile	Gly	Gly	Phe	Asn	Thr
		195					200					205		
Val	Pro	Thr	Leu	Ala	Val	Ala	Ile	Ser	Tyr	Val	Phe	Ile	Phe	Cys
	210					215					220			
Ile	Leu	His	Ile	Lys	Ser	Ser	Lys	Gly	Arg	Ser	Lys	Ser	Phe	Gly
225					230					235				240
Cys	Ser	Ser	His	Leu	Met	Ala	Val	Gly	Ile	Phe	Phe	Gly	Ser	Ile
			245						250					255
Phe	Met	Tyr	Phe	Lys	Pro	Ser	Ser	Ser	Asn	Ser	Leu	Glu	Gln	Glu
			260					265					270	
Val	Ser	Ser	Val	Phe	Tyr	Thr	Thr	Val	Ile	Pro	Met	Leu	Asn	Pro
			275				280					285		
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Lys	Ala	Leu	Gly	Arg
	290				295						300			
Phe	Val	Gly	Arg											
305														

<210> 1650
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1650

Met	Ala	Leu	Val	Asn	Gly	Ser	Thr	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Thr	Asp	Gln	Pro	Gly	Leu	Gln	Met	Pro	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Leu	Met	Tyr	Met	Ile	Thr	Val	Phe	Gly	Asn	Leu	Thr	Leu	Ile	Phe	Leu
		35				40						45			
Ile	Leu	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Leu
	50				55						60				
Asn	Leu	Ser	Phe	Val	Asp	Leu	Cys	Tyr	Ser	Ser	Val	Ile	Thr	Pro	Lys
65					70				75						80
Met	Leu	Met	Asn	Phe	Ile	Leu	Lys	Lys	Asn	Leu	Ile	Ser	Tyr	Met	Gly
			85						90					95	
Cys	Met	Ser	Gln	Leu	Tyr	Phe	Phe	Cys	Phe	Phe	Ile	Ile	Ser	Glu	Cys
			100					105					110		
Tyr	Val	Leu	Val	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Asn	Thr	Ala	Met	Ser	Pro	Arg	Val	Cys	Ser	Tyr	Leu
	130					135					140				
Met	Leu	Gly	Ser	Tyr	Leu	Met	Gly	Phe	Phe	Asp	Ala	Met	Ile	His	Thr
145					150					155					160
Gly	Cys	Met	Leu	Arg	Leu	Ser	Phe	Cys	Asp	Gly	Asn	Ile	Ile	Asn	His
			165						170					175	
Tyr	Phe	Cys	Asp	Val	Leu	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Thr	Ser	Thr
			180					185					190		
Tyr	Val	Asn	Glu	Thr	Glu	Ile	Phe	Ile	Val	Gly	Gly	Lys	Asp	Ile	Ile
		195					200					205			
Leu	Pro	Ser	Ala	Ile	Ile	Phe	Phe	Ser	Tyr	Gly	Phe	Ile	Leu	Ser	Asn
	210					215					220				

Ile	Phe	Gln	Ile	Arg	Ser	Thr	Leu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ile	Ala	Val	Ser	Leu	Phe	Phe	Gly	Ser	Cys	Gly
			245						250					255	
Phe	Met	Tyr	Leu	Lys	Pro	Ser	Ser	Ala	Val	Ser	Ile	Asp	Gln	Gly	Lys
		260						265					270		
Ile	Ser	Ser	Ile	Phe	Tyr	Thr	Ile	Val	Val	Pro	Met	Met	Asn	Pro	Leu
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Leu	Arg	Lys	Thr
	290					295					300				
Leu	Ser	Arg	Arg	Lys	Phe	Leu	Lys	Val							
305					310										

<210> 1651
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1651

Met	Asp	Thr	Lys	Asn	Ile	Ser	Phe	Ile	Thr	Glu	Phe	Ile	Leu	Val	Gly
1			5						10					15	
Leu	Thr	Glu	Tyr	Thr	Glu	Thr	His	Phe	Pro	Phe	Phe	Phe	Leu	Phe	Leu
		20						25					30		
Gly	Ile	Tyr	Ala	Ile	Thr	Val	Ala	Gly	Asn	Leu	Gly	Leu	Leu	Thr	Leu
	35					40						45			
Ile	Gly	Met	Asn	Ser	Pro	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Phe
	50					55					60				
Asn	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Tyr	Ser	Thr	Val	Ile	Thr	Pro	Lys
65					70					75					80
Leu	Leu	Val	Asn	Phe	Val	Ser	Glu	Arg	Asn	Thr	Ile	Ser	Tyr	Glu	Gly
			85						90					95	
Cys	Met	Thr	Gln	Leu	Tyr	Phe	Tyr	Cys	Phe	Phe	Val	Ser	Ala	Glu	Cys
		100						105					110		
Tyr	Val	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
	115						120					125			
Pro	Leu	Leu	Tyr	Thr	Val	Thr	Met	Ser	Pro	Gln	Val	Cys	Ser	Leu	Leu
	130					135					140				
Thr	Leu	Ile	Val	Tyr	Val	Gly	Ala	Phe	Ile	Gly	Ala	Trp	Ala	His	Thr
145					150					155					160
Gly	Cys	Met	Met	Arg	Leu	Thr	Phe	Cys	Lys	Asp	Asn	Thr	Val	Asn	His
			165						170					175	
Tyr	Met	Cys	Asp	Ile	Leu	Pro	Leu	Leu	Glu	Leu	Ser	Cys	Ser	Ser	Thr
		180						185					190		
Tyr	Ile	Asn	Glu	Leu	Val	Val	Phe	Ile	Val	Val	Gly	Phe	Asp	Val	Gly
	195						200					205			
Val	Pro	Ser	Ile	Thr	Ile	Val	Val	Ser	Tyr	Thr	Phe	Ile	Leu	Ser	Ser
	210					215					220				
Ile	Leu	His	Ile	Arg	Ser	Thr	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ile	Val	Val	Ser	Val	Phe	Phe	Gly	Ser	Gly	Ala
			245						250					255	
Phe	Met	Tyr	Leu	His	Pro	Ser	Ser	Val	Leu	Ser	Met	Asp	Gln	Gly	Lys
		260						265					270		
Val	Ser	Thr	Val	Phe	Tyr	Thr	Ile	Val	Val	Pro	Met	Leu	Asn	Pro	Leu
	275						280					285			
Ile	Tyr	Ser	Phe	Arg	Asn	Lys	Glu	Val	Lys	Ile	Ala	Leu	Arg	Lys	Thr

290		295		300
Leu	Arg	Met	Lys	Ile
Ser	Ser			
305		310		

<210> 1652
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1652

Met	Met	Gln	Ala	Asn	Gln	Thr	Gln	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Asp	Asp	Pro	His	Thr	Gln	Lys	Leu	Leu	Phe	Ile	Leu	Phe	Leu
		20						25					30		
Gly	Ile	Tyr	Met	Val	Thr	Val	Leu	Gly	Asn	Leu	Leu	Leu	Met	Phe	Leu
		35					40					45			
Val	Arg	Ala	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys
	50					55					60				
Asn	Leu	Ser	Leu	Ala	Asp	Leu	Cys	Phe	Ser	Thr	Asn	Ile	Val	Pro	Gln
65					70					75					80
Ala	Leu	Ile	His	Leu	Leu	Ser	Arg	Lys	Lys	Thr	Ile	Ser	Phe	Arg	Arg
			85						90					95	
Cys	Ala	Ala	Gln	Leu	Leu	Leu	Phe	Leu	Ile	Phe	Gly	Cys	Thr	Gln	Cys
			100					105					110		
Ala	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
	115						120					125			
Pro	Leu	His	Tyr	Ser	Ser	Ile	Met	Thr	Trp	Arg	Val	Cys	Ile	Gln	Leu
	130					135					140				
Ala	Thr	Val	Ser	Trp	Thr	Ser	Gly	Ile	Leu	Val	Ser	Val	Val	Asp	Thr
145					150					155					160
Thr	Phe	Thr	Leu	Arg	Leu	Pro	Tyr	Arg	Gly	Ser	Asn	Ser	Ile	Ala	His
				165					170					175	
Phe	Phe	Cys	Glu	Ala	Pro	Ala	Leu	Leu	Ala	Leu	Ala	Ser	Thr	Asp	Thr
			180				185						190		
Gln	Thr	Ser	Glu	Met	Ala	Ile	Phe	Leu	Met	Gly	Val	Val	Ile	Leu	Leu
	195						200					205			
Ile	Pro	Val	Ser	Leu	Ile	Leu	Val	Ser	Tyr	Gly	His	Ile	Ile	Val	Thr
	210					215					220				
Val	Val	Lys	Met	Lys	Ser	Ala	Ala	Gly	Arg	Phe	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Met	Val	Val	Ile	Leu	Phe	Tyr	Gly	Ser	Ala	Ile
				245					250					255	
Ile	Thr	Tyr	Met	Thr	Pro	Lys	Ser	Ser	Lys	Glu	Gln	Glu	Lys	Leu	Val
			260					265					270		
Ser	Val	Phe	Tyr	Ala	Met	Val	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr
	275						280					285			
Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Trp	Lys	Val	Ala	Met
	290					295					300				
Lys	Asn	Phe	Ser	Ser	Arg	Leu	Arg	Ile	Thr	His					
305					310					315					

<210> 1653
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1653

Met	Gly	Ile	Glu	Asn	Thr	Thr	Leu	Leu	Thr	Glu	Phe	Val	Leu	Thr	Gly
1				5					10					15	
Leu	Ser	His	Leu	Pro	Gln	Trp	Lys	Ile	Pro	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Val	Ile	Tyr	Leu	Ile	Thr	Ile	Val	Gly	Asn	Leu	Gly	Leu	Ile	Thr	Leu
		35					40					45			
Ile	Trp	Asn	Asp	Pro	His	Leu	His	Ile	Pro	Met	Tyr	Phe	Phe	Leu	Gly
	50					55					60				
Ser	Leu	Ala	Phe	Val	Asp	Thr	Trp	Leu	Ser	Ser	Thr	Val	Thr	Pro	Lys
65					70					75					80
Met	Leu	Leu	Asp	Ile	Phe	Ser	Lys	Ser	Lys	Leu	Ile	Ser	Phe	Ser	Glu
				85					90					95	
Cys	Met	Ile	Gln	Phe	Phe	Ser	Phe	Gly	Ile	Ser	Ala	Thr	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
	115						120					125			
Pro	Leu	Leu	Tyr	Pro	Val	Ile	Met	Thr	Asn	Arg	Leu	Cys	Val	Arg	Leu
	130					135					140				
Leu	Thr	Leu	Ser	Phe	Val	Gly	Gly	Phe	Ile	His	Val	Leu	Ile	His	Glu
145					150					155					160
Ser	Phe	Leu	Phe	Arg	Leu	Thr	Phe	Cys	Asn	Ser	Asn	Ile	Ile	His	His
			165					170						175	
Phe	Tyr	Cys	Asp	Val	Met	Pro	Leu	Leu	Lys	Ile	Ser	Cys	Asn	Asp	Pro
			180					185					190		
Ser	Leu	Asn	Tyr	Leu	Met	Leu	Phe	Ile	Phe	Ser	Gly	Ser	Ile	Gln	Val
		195					200					205			
Phe	Ser	Ile	Leu	Thr	Ile	Leu	Ile	Ser	Tyr	Thr	Leu	Val	Leu	Phe	Ser
	210					215					220				
Ile	Leu	Lys	Gln	Lys	Ser	Leu	Lys	Ser	Ile	Lys	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ala	His	Leu	Leu	Ser	Val	Ser	Leu	Tyr	Tyr	Gly	Ser	Leu	Leu
			245						250					255	
Phe	Met	Tyr	Val	Arg	Pro	Ala	Ser	Pro	Gln	Val	Asp	Asp	Gln	Asp	Met
		260					265						270		
Met	Asp	Ser	Ile	Phe	Tyr	Thr	Val	Ile	Ile	Pro	Val	Leu	Asn	Pro	Ile
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Gln	Val	Lys	Asn	Ser	Leu	Glu	Lys	Phe
	290					295					300				
Leu	Lys	Arg	Asn	Thr											
305															

<210> 1654

<211> 308

<212> PRT

<213> Mus musculus

<400> 1654

Met	Gly	Tyr	Gly	Asn	Leu	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Phe	His
1				5					10					15	
Asn	Glu	Asp	Val	Lys	Ala	Ile	Cys	Ala	Val	Leu	Phe	Leu	Leu	Cys	Tyr
			20					25					30		
Leu	Ala	Ile	Leu	Cys	Gly	Asn	Leu	Val	Val	Leu	Leu	Thr	Ile	Lys	Gly
		35					40					45			
Ser	Gln	Leu	Ser	Glu	Gln	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Tyr	Leu	Ser

50		55		60	
Phe Met Asp Val Cys	Phe Thr Ser Thr Val	Ala Pro Lys Phe Ile Ile			
65	70	75	80		
Gly Leu Leu Val Gln	Cys Asn Thr Ile Ser	Tyr Asn Gly Cys Ile Ala			
	85	90	95		
Gln Met Phe Tyr Ala	His Phe Phe Gly	Ala Thr Glu Ile Phe Ile Leu			
	100	105	110		
Val Val Met Ala Tyr	Asp Arg Tyr Val	Ala Ile Cys Arg Pro Leu Tyr			
	115	120	125		
Tyr Met Ile Thr Met	Ser Arg Gln Val	Cys Tyr Ile Leu Val Ile Gly			
	130	135	140		
Ser Val Phe Gly Ala	Phe Ile His Ser	Leu Val His Val Leu Val Ile			
145	150	155	160		
Ile Arg Leu Pro Phe	Cys Gly Ser Asn	Glu Ile Asp His Tyr Phe Cys			
	165	170	175		
Asp Ile Phe Pro Leu	Leu Lys Leu Ala	Cys Thr Asp Thr Arg Leu Leu			
	180	185	190		
Val Ile Val Ile Ile	Thr Thr Thr Gly	Val Met Ser Ile Leu Thr Phe			
	195	200	205		
Val Ala Leu Val Ile	Ser Tyr Ile Ile	Ile Leu Ser Ile Leu Arg Thr			
	210	215	220		
Arg Ser Ser Glu Ser	Arg Arg Lys Ala	Leu Ser Thr Cys Gly Ser His			
225	230	235	240		
Ile Thr Val Val Phe	Met Phe Phe Leu	Pro Leu Ile Phe Thr Tyr Val			
	245	250	255		
Pro Met Gly Asp Ser	Val Gly Asp Asp	Lys Val Phe Ala Leu Phe Tyr			
	260	265	270		
Thr Met Ile Ala Pro	Leu Phe Asn Pro	Leu Ile Tyr Thr Leu Arg Asn			
	275	280	285		
Thr Asp Met Lys Asn	Ala Met Arg Lys	Val Trp Cys Gln Asp Lys Leu			
	290	295	300		
Phe Glu Gly Lys					
305					

<210> 1655
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1655

Met Lys Asn Gln Ser	Leu Glu Val Val	Phe Val Leu Leu Gly	Leu Thr
1	5	10	15
Gly Asp Pro Gln Leu	Gln Ile Leu Ile	Phe Leu Phe Leu Phe	Phe Asn
	20	25	30
Tyr Ile Leu Ser Leu	Met Gly Asn Leu	Val Ile Ile Leu Leu Thr	Leu
	35	40	45
Leu Asp Pro His Leu	Lys Thr Pro Met	Tyr Phe Phe Leu Arg	Asn Phe
	50	55	60
Ser Phe Leu Glu Ile	Ala Phe Thr Thr	Val Cys Ile Pro Arg	Phe Leu
	65	70	75
Thr Ser Ile Leu Leu	Gly Glu Lys Met	Ile Leu Tyr Asn Ala	Cys Val
	85	90	95
Ala Gln Leu Phe Phe	Phe Phe Leu Leu	Gly Ala Thr Glu Phe	Tyr Leu
	100	105	110
Leu Ala Ala Met Ser	Tyr Asp Arg Tyr	Val Ala Ile Cys Arg	Pro Leu
	115	120	125

His	Tyr	Pro	Ile	Ile	Met	Asn	Ser	Lys	Val	Cys	His	Leu	Leu	Val	Leu	
130						135					140					
Ser	Ser	Trp	Val	Thr	Gly	Phe	Phe	Val	Ile	Leu	Pro	Pro	Leu	Leu	Leu	
145					150					155						160
Gly	Leu	Lys	Leu	Asp	Phe	Cys	Ala	Ser	Lys	Thr	Val	Asp	His	Phe	Leu	
				165					170					175		
Cys	Asp	Thr	Ser	Val	Leu	Gln	Leu	Ser	Cys	Thr	Asp	Thr	Arg	Leu	Ile	
			180					185					190			
Glu	Leu	Met	Ala	Phe	Ala	Leu	Ala	Ile	Met	Thr	Leu	Ile	Ile	Thr	Leu	
		195					200					205				
Ile	Leu	Val	Leu	Phe	Ser	Tyr	Thr	Leu	Ile	Ile	Lys	Thr	Ile	Leu	Lys	
	210					215					220					
Phe	Pro	Ser	Ala	Gln	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	
225				230						235					240	
His	Met	Val	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Met	Tyr	
				245					250					255		
Val	Lys	Thr	Ser	Ala	Lys	Glu	Arg	Val	Thr	Leu	Asn	Lys	Gly	Ile	Ala	
			260					265					270			
Val	Leu	Asn	Thr	Ser	Val	Ala	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr	Thr	
		275					280					285				
Leu	Arg	Asn	Gln	Gln	Val	Lys	Glu	Ala	Phe	Lys	Asn	Val	Ile	His	Arg	
	290					295					300					
Phe	Cys	Ser	Phe	Lys	Asn	His	Glu	Thr	Arg	Phe	Arg	His	Gln			
305					310					315						

<210> 1656
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1656

Met	Arg	Asn	His	Thr	Thr	Val	Thr	Val	Phe	Ile	Leu	Leu	Gly	Leu	Thr	
1				5					10					15		
Asp	Asp	Leu	Gln	Leu	Gln	Val	Val	Val	Phe	Val	Leu	Leu	Phe	Leu	Thr	
		20						25					30			
Tyr	Met	Leu	Ser	Val	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Thr	Leu	Thr	Leu	
	35					40						45				
Leu	Asp	Ser	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe	
	50				55					60						
Ser	Phe	Leu	Glu	Ile	Ser	Phe	Thr	Thr	Val	Cys	Ile	Pro	Lys	Phe	Leu	
65				70					75						80	
Val	Ser	Met	Ala	Thr	Gly	Asp	Lys	Thr	Ile	Ser	Tyr	Asn	Glu	Cys	Ala	
			85					90					95			
Ala	Gln	Leu	Phe	Phe	Thr	Ile	Leu	Leu	Gly	Ala	Thr	Glu	Phe	Phe	Leu	
		100						105					110			
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	
		115				120						125				
His	Tyr	Met	Thr	Ile	Met	Ser	Ser	Lys	Ile	Cys	Asn	Leu	Leu	Val	Phe	
	130				135						140					
Val	Ser	Trp	Leu	Ser	Gly	Phe	Leu	Ile	Ile	Phe	Pro	Pro	Leu	Leu	Met	
145					150					155					160	
Gly	Leu	Gln	Leu	Asp	Phe	Cys	Ala	Ala	Asn	Thr	Val	Asp	His	Phe	Phe	
			165					170						175		
Cys	Asp	Val	Ser	Pro	Ile	Leu	Gln	Leu	Ser	Cys	Thr	Asp	Thr	His	Ile	
		180						185					190			
Ile	Glu	Leu	Met	Met	Leu	Leu	Ser	Ala	Ile	Leu	Thr	Leu	Leu	Val	Thr	

Val	Leu	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Val	Lys	Glu	Ala	Leu	Arg	Lys	Ala
	290					295					300				
Thr	Val	Arg	Val	Tyr	Ser										
305					310										

<210> 1658
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1658

Met	Glu	Ala	Glu	Asn	His	Thr	Thr	Val	Ala	Glu	Leu	Ile	Ile	Leu	Gly
1				5				10						15	
Leu	Thr	Glu	Asp	Pro	Lys	Leu	Cys	Ile	Val	Phe	Phe	Val	Ile	Phe	Leu
		20					25					30			
Gly	Val	Tyr	Ile	Ile	Thr	Leu	Val	Gly	Asn	Ile	Ser	Ile	Ile	Thr	Leu
	35					40					45				
Ile	Arg	Ile	Ser	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50				55					60					
His	Leu	Ala	Phe	Val	Asp	Ile	Val	Phe	Ser	Thr	Ser	Val	Ser	Val	Ile
65				70				75							80
Met	Leu	Met	Glu	Leu	Gly	His	Gly	Leu	Val	Leu	Ser	Val	Ala	Glu	Thr
			85				90						95		
Cys	Ala	Ala	Gln	Leu	Cys	Met	Thr	Val	Ser	Phe	Gly	Ser	Ala	Glu	Cys
		100					105						110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser
	115					120						125			
Pro	Leu	Leu	Tyr	Ser	Thr	Leu	Met	Ser	Ser	Arg	Val	Cys	Phe	Leu	Leu
	130					135					140				
Leu	Gly	Ile	Ser	Tyr	Val	Gly	Gly	Phe	Val	Asn	Gly	Trp	Thr	Phe	Thr
145					150				155						160
Gly	Cys	Val	Leu	Ser	Leu	Ser	Phe	Cys	Gly	Pro	Thr	Gln	Ile	Asn	His
			165					170						175	
Phe	Phe	Cys	Asp	Phe	Ser	Pro	Leu	Leu	Lys	Val	Ser	Cys	Ser	Asp	Val
		180					185					190			
Ser	Ile	Ile	Gly	Ile	Ile	Pro	Ser	Ile	Ser	Ser	Gly	Ser	Ile	Ile	Val
	195					200					205				
Val	Thr	Val	Phe	Val	Ile	Ala	Val	Ser	Tyr	Ile	Tyr	Ile	Leu	Ile	Thr
	210					215					220				
Ile	Leu	Lys	Met	Arg	Ser	Thr	Glu	Gly	Arg	His	Lys	Ala	Phe	Ser	Thr
225				230					235						240
Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly	Thr	Ile	Thr
			245					250						255	
Val	Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Tyr	Ser	Thr	Glu	Gln	Asn	Lys
		260					265						270		
Val	Ile	Ser	Leu	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
	275					280					285				
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Val	Lys	Asp	Ala	Leu	Arg	Lys	Ala
	290					295					300				
Ile	Val	Arg	Val	Tyr	Ser										
305					310										

<210> 1659

<211> 310
 <212> PRT
 <213> Mus musculus

<400> 1659

Met	Glu	Pro	Gly	Asn	Tyr	Thr	Val	Val	Thr	Glu	Val	Ile	Leu	Leu	Gly
1				5					10					15	
Phe	Thr	Glu	Asp	Ala	Ile	Ile	Arg	Ala	Ile	Leu	Phe	Ile	Val	Phe	Leu
		20					25						30		
Ile	Ile	Tyr	Ser	Val	Thr	Leu	Met	Gly	Asn	Ala	Ser	Ile	Ile	Met	Leu
		35				40						45			
Ile	Arg	Arg	Ser	Pro	Gln	Leu	His	Thr	Pro	Met	Tyr	Leu	Leu	Leu	Ser
	50					55					60				
His	Leu	Ala	Phe	Val	Asp	Ile	Gly	Tyr	Ser	Ser	Ser	Val	Thr	Pro	Ile
65					70					75					80
Met	Leu	Lys	Gly	Phe	Leu	Arg	Lys	Glu	Thr	Phe	Ile	Leu	Val	Ser	Gly
			85						90					95	
Cys	Val	Ala	Gln	Leu	Cys	Ser	Val	Val	Thr	Phe	Gly	Ser	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser
		115					120					125			
Pro	Leu	Leu	Tyr	Ala	Thr	Gln	Met	Ser	Ser	Thr	Val	Cys	Ile	Leu	Leu
	130					135					140				
Val	Gly	Ala	Ser	Tyr	Leu	Gly	Gly	Cys	Val	Asn	Ala	Trp	Thr	Phe	Thr
145					150					155					160
Gly	Cys	Leu	Leu	Asn	Leu	Ser	Phe	Cys	Arg	Pro	Asn	Lys	Val	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Tyr	Ser	Pro	Leu	Leu	Lys	Ile	Ser	Cys	Ser	His	Asp
			180					185					190		
Phe	Ser	Ser	Glu	Val	Ile	Pro	Ala	Ile	Ser	Ser	Gly	Ser	Ile	Ile	Val
		195					200					205			
Val	Thr	Val	Phe	Ile	Ile	Ala	Leu	Ser	Tyr	Val	Tyr	Ile	Leu	Val	Ser
	210					215					220				
Ile	Leu	Lys	Met	Arg	Ser	Thr	Glu	Gly	Arg	Gln	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly	Thr	Ile	Thr
			245						250					255	
Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Tyr	Ser	Thr	Asp	Gln	Asn	Lys
			260					265					270		
Val	Val	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Ile
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Met	Lys	Lys	Leu
	290					295					300				
Met	Ala	Asn	Thr	His	His										
305					310										

<210> 1660
 <211> 306
 <212> PRT
 <213> Mus musculus

<400> 1660

Met	Met	Asn	Lys	Asn	Asn	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Val	Thr
1				5					10					15	
Arg	Asp	Pro	Glu	Leu	Arg	Lys	Ile	Leu	Ser	Val	Leu	Phe	Leu	Ile	Met
			20					25					30		

Tyr Met Ala Thr Val Phe Gly Asn Leu Leu Ile Val Val Thr Ile Thr
 35 40 45
 Arg Ser Pro Ser Leu Arg Ser Pro Met Tyr Phe Phe Leu Leu Ser Leu
 50 55 60
 Ser Leu Met Asp Val Thr Tyr Ser Ser Val Ile Ala Pro Lys Leu Ile
 65 70 75 80
 Met Asp Ser Leu Ser Glu Arg Thr Ile Val Ser Phe Glu Arg Cys Met
 85 90 95
 Thr Gln Leu Phe Ala Glu His Phe Phe Gly Gly Val Gly Ile Ile Leu
 100 105 110
 Leu Ile Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu
 115 120 125
 His Tyr Val Lys Met Met Thr Pro Arg Val Cys Cys Leu Met Val Gly
 130 135 140
 Gly Ala Trp Val Gly Gly Ser Met His Ala Thr Ile Gln Leu Leu Phe
 145 150 155 160
 Met Tyr Gln Ile Pro Phe Cys Ser Ser Asn Ile Ile Asp His Phe Met
 165 170 175
 Cys Asp Leu Phe Pro Leu Leu Lys Leu Ala Cys Met Asp Thr His Ile
 180 185 190
 Leu Gly Leu Leu Val Ile Leu Asn Ser Gly Val Met Cys Val Ser Ile
 195 200 205
 Phe Leu Ile Leu Ile Ala Ser Tyr Met Val Ile Leu Cys Ser Leu Lys
 210 215 220
 Ser Tyr Ser Ser Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Ser Ser
 225 230 235 240
 His Phe Ala Val Val Val Leu Phe Phe Val Pro Cys Ile Phe Leu Tyr
 245 250 255
 Met Arg Pro Val Val Thr Phe Pro Ile Asp Lys Ala Met Ala Val Ser
 260 265 270
 Phe Thr Ile Val Glu Pro Met Leu Asn Pro Leu Ile Tyr Thr Leu Arg
 275 280 285
 Asn Thr Glu Val Lys Tyr Ala Ile Lys Asn Met Cys Arg Lys Gln Gly
 290 295 300
 Ser His
 305

<210> 1661
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1661
 Met Gln His Gln Val Asn Gln Ser Thr Gly Val Val Phe Val Phe Val
 1 5 10 15
 Gly Phe Ser Glu Tyr Pro Asn Leu Gln Val Pro Leu Phe Leu Ile Phe
 20 25 30
 Leu Ile Ile Tyr Thr Ile Thr Val Leu Glu Asn Leu Gly Met Ile Leu
 35 40 45
 Val Ile Arg Ile Asn Ala Lys Leu His Thr Pro Met Tyr Phe Phe Leu
 50 55 60
 Ser His Leu Ser Ile Val Asp Leu Cys Tyr Thr Thr Val Ile Ala Pro
 65 70 75 80
 Lys Leu Leu Asp Leu Leu Ile Thr Glu Asp Arg Ser Met Ser Leu Lys
 85 90 95
 Gly Cys Ile Ile Gln Phe Tyr Phe Gly Cys Ala Cys Val Val Thr Gln

Phe	Phe	Cys	Asp	Val	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Ala
			180					185					190		
His	Ile	Asn	Glu	Met	Leu	Leu	Leu	Val	Phe	Ser	Gly	Val	Phe	Ala	Ile
		195					200					205			
Ser	Thr	Phe	Ile	Ile	Val	Met	Val	Ser	Tyr	Ile	His	Ile	Ile	Ile	Ala
	210					215					220				
Ile	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Ala	Leu	Phe	Tyr	Gly	Ser	Leu	Thr
			245						250					255	
Phe	Asn	Tyr	Ile	Gln	Pro	Ser	Ser	Gln	Tyr	Ser	Met	Glu	Gln	Glu	Lys
			260					265					270		
Leu	Ser	Ala	Val	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Ala	Lys	Lys	Leu
	290				295						300				
Ile	Cys	Gly	Glu	Arg	Asn	Ala	Pro								
305					310										

<210> 1663
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1663

Met	Ala	Ile	Trp	Asn	His	Thr	Gly	Val	Ser	Glu	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Leu	Thr	Glu	Asn	Pro	Asn	Trp	Gln	Val	Pro	Leu	Phe	Leu	Leu	Phe	Ser
			20					25					30		
Val	Val	Tyr	Phe	Ile	Ile	Leu	Val	Gly	Asn	Trp	Gly	Met	Ile	Ile	Leu
	35						40					45			
Ile	Trp	Leu	Asn	Ala	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Cys	Asp	Ile	Cys	Tyr	Ser	Thr	Ile	Ile	Ala	Pro	Lys
65					70				75						80
Met	Leu	Leu	Asn	Phe	Leu	Ser	Glu	His	Lys	Ser	Ser	Thr	Phe	Phe	Ala
			85						90					95	
Cys	Ile	Leu	Gln	Ser	Phe	Phe	Phe	Ala	Val	Tyr	Val	Thr	Thr	Glu	Val
		100						105					110		
Ile	Leu	Leu	Ser	Met	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ala	Asn
	115						120					125			
Pro	Leu	Met	Tyr	Thr	Val	Ile	Met	Thr	His	Asn	Ile	Cys	Thr	Gln	Met
	130					135					140				
Val	Leu	Ala	Ser	Tyr	Leu	Gly	Gly	Leu	Ile	Asn	Ser	Met	Ile	His	Thr
145					150					155					160
Ile	Gly	Leu	Leu	Lys	Leu	Asp	Phe	Cys	Gly	Pro	Asn	Ile	Val	Asn	His
			165						170					175	
Phe	Phe	Cys	Asp	Val	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Ala
			180					185					190		
His	Ile	Asn	Glu	Met	Leu	Leu	Leu	Val	Phe	Ser	Gly	Met	Ile	Ala	Ile
		195					200					205			
Phe	Thr	Phe	Ile	Ile	Ile	Met	Val	Ser	Tyr	Ile	His	Ile	Ile	Ile	Ala
	210					215					220				
Ile	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly	Ser	Leu	Thr

<210> 1665
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1665

Met	Thr	Glu	Asn	Asn	Phe	Thr	Lys	Val	Thr	Val	Phe	Met	Phe	Ser	Gly
1				5					10					15	
Phe	Ser	Asp	His	Pro	Glu	Leu	Gln	Val	Ser	Leu	Phe	Leu	Ile	Phe	Leu
			20					25					30		
Phe	Ile	Tyr	Leu	Phe	Thr	Val	Trp	Gly	Asn	Ile	Gly	Leu	Ile	Leu	Leu
		35					40					45			
Ile	Arg	Ile	Asp	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ala	Phe	Ile	Asp	Ile	Phe	Tyr	Ser	Ser	Thr	Val	Thr	Pro	Lys
65					70					75					80
Ala	Leu	Val	Asp	Phe	Gln	Ser	Thr	Gln	Lys	Ser	Ile	Ser	Phe	Val	Gly
				85					90					95	
Cys	Phe	Val	Gln	Met	Tyr	Phe	Phe	Val	Gly	Leu	Val	Cys	Ser	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Gly	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Ser	Val	Ile	Met	Ser	Gln	Lys	Val	Cys	Asn	Trp	Leu
	130					135					140				
Ala	Val	Ile	Pro	Tyr	Met	Ile	Gly	Phe	Thr	Asn	Ser	Leu	Ile	Ser	Ile
145					150					155					160
Cys	Val	Ile	Ser	Ser	Leu	Pro	Leu	Cys	Asp	Pro	Tyr	Ile	Asn	His	Phe
				165					170					175	
Phe	Cys	Asp	Thr	Thr	Ala	Leu	Leu	Ala	Leu	Ser	Cys	Val	Asp	Ala	Phe
			180					185					190		
Ser	Thr	Glu	Leu	Val	Ile	Phe	Val	Leu	Ala	Gly	Phe	Thr	Leu	Leu	Ser
		195					200					205			
Ser	Leu	Leu	Ile	Ile	Thr	Phe	Thr	Tyr	Val	Thr	Ile	Ile	Ser	Ala	Ile
	210					215					220				
Leu	Arg	Ile	Gln	Ser	Ala	Ala	Gly	Arg	Trp	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ala	Ser	His	Leu	Thr	Gly	Val	Thr	Val	Phe	Tyr	Gly	Ser	Leu	Ile	Phe
				245					250					255	
Thr	Tyr	Leu	Gln	Pro	Asp	Asn	Thr	Ser	Ser	Leu	Thr	Gln	Ala	Gln	Val
			260					265					270		
Ala	Ser	Val	Phe	Tyr	Thr	Ile	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asn	Ala	Leu	Leu	Arg	Val	Ile
	290					295					300				
His	Arg	Lys	His	Leu	Leu										
305					310										

<210> 1666
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1666

Met Asp Pro Gly Asn His Thr Val Val Lys Glu Phe Ile Leu Leu Gly

Glu	Asn	Lys	Thr	Ile	Ser	Phe	Ala	Gly	Cys	Met	Ser	Gln	Val	Phe	Phe
				85					90					95	
Ala	His	Cys	Ile	Ala	Ala	Gly	Glu	Met	Val	Leu	Leu	Val	Ile	Met	Ala
			100					105					110		
Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His	Tyr	Phe	Thr	Ile
		115					120					125			
Met	Asn	Met	Lys	Arg	Cys	Thr	Gly	Leu	Val	Phe	Thr	Ser	Trp	Thr	Thr
		130				135					140				
Gly	Phe	Val	His	Ala	Leu	Ser	His	Leu	Val	Val	Ile	Val	Glu	Leu	Pro
145					150					155					160
Phe	Cys	Gly	Pro	Lys	Glu	Ile	Asp	Ser	Phe	Phe	Cys	Asp	Met	Pro	Leu
				165					170					175	
Val	Ile	Lys	Leu	Ala	Cys	Ile	Asp	Ser	Arg	Asp	Leu	Asp	Val	Leu	Met
			180					185					190		
Asn	Ala	Asp	Cys	Gly	Leu	Val	Ala	Val	Thr	Cys	Phe	Ile	Leu	Leu	Leu
		195					200					205			
Ile	Ser	Tyr	Thr	Tyr	Ile	Leu	Ile	Thr	Val	Cys	Gln	Ser	Ser	Lys	Ala
	210					215					220				
Gly	Ala	Ser	Lys	Ala	Met	Asn	Thr	Cys	Thr	Ala	His	Ile	Thr	Val	Val
225				230						235					240
Leu	Ile	Phe	Phe	Val	Pro	Cys	Ile	Phe	Ile	Tyr	Val	Trp	Pro	Leu	Ser
				245					250					255	
Ile	Ile	Trp	Leu	Asp	Lys	Phe	Leu	Ala	Val	Phe	Tyr	Ser	Val	Phe	Thr
		260					265						270		
Pro	Leu	Leu	Asn	Pro	Ala	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Met	Lys
		275					280					285			
Asn	Ala	Met	Lys	Lys	Phe	Ile	Asn	Ser	Tyr	Leu	Ser	His	Lys	Gly	Asn
	290					295					300				

Leu
305

<210> 1668
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1668

Met	Lys	Asn	Lys	Thr	Ser	Leu	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Asp	Val	Pro	Glu	Leu	Gln	Val	Ala	Val	Phe	Thr	Phe	Leu	Phe	Leu	Ala
			20					25					30		
Tyr	Val	Phe	Ser	Met	Ile	Gly	Asn	Leu	Thr	Ile	Leu	Ile	Leu	Thr	Leu
		35				40						45			
Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50					55					60				
Ser	Phe	Leu	Glu	Ile	Ser	Phe	Thr	Asn	Ile	Phe	Ile	Pro	Arg	Val	Leu
65					70					75					80
Val	Ser	Ile	Thr	Thr	Gly	Asn	Lys	Ser	Ile	Ser	Phe	Ala	Gly	Cys	Phe
				85					90					95	
Ala	Gln	Tyr	Phe	Phe	Ala	Ile	Phe	Leu	Gly	Ala	Thr	Glu	Phe	Tyr	Leu
			100					105					110		
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115				120						125			
His	Tyr	Met	Ala	Ile	Met	Ser	Asn	Arg	Val	Cys	Thr	His	Leu	Val	Leu
	130					135					140				
Cys	Ser	Trp	Leu	Gly	Gly	Leu	Met	Ala	Ile	Ile	Pro	Pro	Ile	Thr	Leu

145		150		155		160									
Met	Ser	Gln	Gln	Asn	Phe	Cys	Ala	Ser	Asn	Arg	Leu	Asn	His	Tyr	Phe
				165					170					175	
Cys	Asp	Phe	Glu	Pro	Leu	Leu	Glu	Leu	Ser	Cys	Ser	Asp	Thr	Ser	Leu
			180					185					190		
Ile	Glu	Lys	Val	Val	Phe	Leu	Val	Ala	Ser	Val	Thr	Leu	Val	Val	Thr
		195					200					205			
Leu	Met	Leu	Val	Thr	Leu	Ser	Tyr	Thr	Phe	Ile	Ile	Lys	Thr	Ile	Leu
	210					215					220				
Lys	Leu	Pro	Ser	Ala	Gln	Gln	Arg	Thr	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Met	Ile	Val	Ile	Ser	Leu	Ser	Tyr	Gly	Ser	Cys	Phe	Phe	Met
			245						250					255	
Tyr	Val	Lys	Pro	Ser	Ala	Lys	Val	Gly	Gly	Thr	Phe	Asp	Lys	Gly	Val
			260					265					270		
Ala	Leu	Leu	Ile	Thr	Ser	Val	Ala	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Thr	Leu	Arg	Asn	Gln	Gln	Val	Lys	Gln	Ala	Phe	Lys	Asp	Thr	Val	Lys
	290					295					300				
Lys	Leu	Val	Asn	Leu											
305															

<210> 1669
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1669

Met	Lys	Arg	Ala	Asn	Cys	Thr	Glu	Val	Arg	Glu	Phe	Val	Phe	Gln	Gly
1				5					10					15	
Phe	Ser	Asn	Phe	Gln	Glu	His	Gln	Leu	Thr	Leu	Phe	Ile	Ile	Phe	Phe
			20					25					30		
Ala	Leu	Tyr	Ile	Leu	Thr	Leu	Thr	Gly	Asn	Val	Ile	Ile	Val	Thr	Ile
		35					40					45			
Ile	Arg	Ile	Asp	His	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Val	Leu	Ser	Thr	Ser	Glu	Thr	Phe	Tyr	Ser	Leu	Val	Ile	Ile	Pro	Arg
65					70					75					80
Met	Leu	Gly	Ser	Leu	Val	Gly	Leu	Ser	Gln	Thr	Ile	Ser	Leu	Glu	Cys
				85					90					95	
Cys	Gly	Thr	Gln	Leu	Phe	Phe	Phe	Leu	Gly	Phe	Gly	Ile	Thr	Asn	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Val	Met	Gly	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Arg	Tyr	Ser	Val	Ile	Met	Asn	Trp	Arg	Val	Cys	Val	Ile	Leu
	130					135					140				
Ala	Ser	Ser	Val	Cys	Ala	Thr	Gly	Phe	Leu	Leu	Ser	Leu	Val	Gln	Ala
145					150					155					160
Leu	Ala	Ile	Phe	Arg	Leu	Pro	Phe	Cys	Asn	Thr	Leu	Ile	Lys	His	Phe
				165					170					175	
Phe	Cys	Asp	Val	Arg	Pro	Ile	Leu	Asp	Leu	Ala	Cys	Thr	Val	Pro	Val
			180					185					190		
Ile	Asn	Gln	Val	Leu	Thr	Leu	Val	Leu	Thr	Leu	Met	Val	Leu	Thr	Ala
		195					200					205			
Pro	Ala	Ile	Phe	Leu	Phe	Val	Ser	Tyr	Ala	Leu	Ile	Ile	Ser	Thr	Ile
	210						215					220			

Leu	Lys	Ile	Ala	Ser	Ser	Asp	Gly	Trp	Lys	Lys	Thr	Phe	Ala	Thr	Cys
225					230					235					240
Ser	Ser	His	Leu	Thr	Val	Val	Val	Ile	His	Tyr	Gly	Cys	Ala	Ser	Ile
				245					250						255
Val	Tyr	Phe	Lys	Pro	Lys	Ser	Glu	Asn	Ser	Lys	Asp	Gln	Asp	Gln	Leu
			260					265					270		
Leu	Ser	Val	Thr	Tyr	Thr	Val	Ile	Thr	Pro	Leu	Leu	Asn	Pro	Val	Val
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Gln	Asp	Ala	Leu	Arg	Lys	Val	Leu
	290					295					300				
Cys	Arg	Lys	Ser	Leu	Ser										
305					310										

<210> 1670
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1670

Met	Lys	Lys	Thr	Asn	Cys	Thr	His	Val	Arg	Glu	Phe	Val	Phe	Gln	Gly
1				5					10					15	
Phe	Ser	Asn	Phe	Gln	Glu	His	Gln	Phe	Thr	Leu	Phe	Val	Val	Phe	Phe
			20					25					30		
Val	Leu	Tyr	Ile	Leu	Thr	Leu	Ala	Gly	Asn	Val	Ile	Ile	Val	Thr	Ile
		35					40					45			
Ile	Arg	Ile	Asp	His	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Val	Leu	Ser	Thr	Ser	Glu	Thr	Phe	Tyr	Ser	Leu	Val	Ile	Ile	Pro	Arg
65					70					75					80
Met	Leu	Gly	Ser	Leu	Val	Gly	Leu	Ser	Gln	Thr	Ile	Ser	Leu	Glu	Cys
				85					90					95	
Cys	Gly	Thr	Gln	Leu	Phe	Phe	Phe	Leu	Gly	Phe	Ala	Ile	Thr	Asn	Cys
			100					105					110		
Leu	Leu	Leu	Ala	Val	Met	Gly	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115				120						125			
Pro	Leu	Arg	Tyr	Ser	Val	Ile	Met	Asn	Trp	Arg	Val	Cys	Val	Ile	Leu
	130					135					140				
Ala	Ser	Ser	Val	Gly	Ala	Thr	Gly	Phe	Leu	Leu	Ser	Leu	Ile	Gln	Ala
145					150					155					160
Val	Ala	Ile	Phe	Arg	Leu	Pro	Phe	Cys	Asn	Thr	Leu	Ile	Glu	His	Phe
				165					170					175	
Phe	Cys	Asp	Val	Arg	Pro	Ile	Leu	Asp	Leu	Ala	Cys	Thr	Val	Pro	Val
			180					185					190		
Ile	Asn	Asp	Ile	Leu	Thr	Leu	Ala	Leu	Ser	Leu	Met	Val	Ile	Thr	Ala
	195						200					205			
Pro	Ala	Thr	Phe	Leu	Phe	Val	Ser	Tyr	Val	Leu	Ile	Ile	Ser	Thr	Ile
	210					215					220				
Leu	Lys	Ile	Ala	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Thr	Phe	Ala	Thr	Cys
225					230					235					240
Ala	Ser	His	Leu	Thr	Val	Val	Val	Ile	His	Tyr	Gly	Cys	Ala	Ser	Ile
				245					250						255
Ala	Tyr	Phe	Lys	Pro	Lys	Ser	Glu	Asn	Thr	Lys	Asp	Gln	Asp	Gln	Leu
			260					265					270		
Ile	Ser	Val	Thr	Tyr	Thr	Val	Ile	Thr	Pro	Leu	Leu	Asn	Pro	Val	Val
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Gln	Asp	Ala	Leu	Arg	Lys	Val	Leu

290		295		300
Gly	Lys	Lys	Ser	Leu
305			Ser	
			310	

<210> 1671
 <211> 305
 <212> PRT
 <213> Mus musculus

<400> 1671
 Met Asp Gln Asn Asn Asn Thr Val Ser Glu Phe Ile Met Leu Gly Phe
 1 5 10 15
 Thr Thr Asp Pro Val Ile Gln Lys Val Leu Phe Ala Val Phe Leu Val
 20 25 30
 Val Tyr Thr Leu Thr Leu Met Gly Asn Ser Ser Leu Ile Met Leu Ile
 35 40 45
 Cys Asn Asp Ser Arg Leu His Thr Pro Met Tyr Phe Phe Ile Gly Asn
 50 55 60
 Leu Ser Phe Leu Asp Leu Gly Leu Ser Ser Val Tyr Thr Pro Lys Ile
 65 70 75 80
 Leu Glu Thr Cys Ile Ser Glu Asp Lys Ser Ile Ser Phe Ala Gly Cys
 85 90 95
 Val Ala Gln Phe Phe Ser Ala Ala Leu Asp Tyr Thr Glu Cys Tyr
 100 105 110
 Leu Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Ser Lys Pro
 115 120 125
 Leu Leu Tyr Ser Gln Ala Met Ser Leu Lys Leu Cys Val Cys Phe Val
 130 135 140
 Ala Ala Ser Tyr Val Gly Gly Phe Ile Asn Ser Val Ile Ile Thr Lys
 145 150 155 160
 Asp Thr Phe Ala Leu Thr Phe Cys Asn Asp Asn Val Ile Asp Asp Phe
 165 170 175
 Phe Cys Asp Ile Pro Pro Leu Val Lys Leu Ala Cys Gly Lys Lys Lys
 180 185 190
 Ser Phe Gln Ser Val Leu Phe Phe Leu Leu Thr Ser Asn Val Ile Ile
 195 200 205
 Pro Ile Val Phe Ile Leu Ala Thr Tyr Leu Phe Ile Ile Ala Thr Ile
 210 215 220
 Leu Arg Ile Arg Ser Thr Gln Gly Arg Leu Lys Ala Phe Ser Thr Cys
 225 230 235 240
 Ser Ser His Leu Ile Ser Val Thr Leu Tyr Tyr Gly Ser Ile Leu Tyr
 245 250 255
 Ile Tyr Ala Arg Pro Arg Ser Ser Tyr Ser Leu Asp Arg Asp Lys Ile
 260 265 270
 Val Ser Thr Phe Tyr Thr Val Val Phe Pro Met Leu Asn Pro Leu Ile
 275 280 285
 Tyr Ser Leu Arg Asn Lys Asp Val Lys Glu Ala Leu Asn Lys Leu Leu
 290 295 300
 Lys
 305

<210> 1672
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1672

Met	Arg	Asn	Leu	Ser	Gly	Ser	His	Val	Glu	Glu	Phe	Val	Leu	Val	Gly
1				5					10					15	
Phe	Pro	Thr	Ser	Arg	Pro	Phe	Gln	Ala	Leu	Leu	Phe	Val	Phe	Phe	Phe
			20					25					30		
Ala	Ile	Tyr	Leu	Leu	Thr	Leu	Leu	Glu	Asn	Val	Leu	Ile	Val	Ser	Thr
		35					40					45			
Ile	Trp	Leu	Thr	Pro	Ser	Leu	His	Arg	Pro	Met	Tyr	Phe	Phe	Leu	Gly
	50					55					60				
His	Leu	Ser	Phe	Leu	Glu	Leu	Trp	Tyr	Ile	Asn	Val	Thr	Ile	Pro	Arg
65					70					75					80
Leu	Leu	Gly	Ala	Phe	Leu	Thr	Gln	Asp	Gly	Arg	Val	Ser	Tyr	Gly	Gly
			85						90					95	
Cys	Met	Thr	Gln	Leu	Tyr	Phe	Phe	Ile	Ala	Leu	Ala	Cys	Thr	Glu	Cys
			100					105					110		
Val	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Glu
		115					120					125			
Pro	Leu	Arg	Tyr	Pro	Ser	Leu	Met	Pro	Pro	Arg	Leu	Ala	Thr	Arg	Leu
	130					135					140				
Ala	Ala	Ala	Ser	Trp	Gly	Ser	Gly	Phe	Phe	Ser	Ser	Met	Met	Lys	Leu
145					150					155					160
Leu	Phe	Ile	Ser	Arg	Leu	Ser	Tyr	Cys	Gly	Pro	Asn	Ile	Ile	Asn	His
			165						170					175	
Phe	Phe	Cys	Asp	Ile	Ser	Pro	Leu	Leu	Asn	Leu	Thr	Cys	Ser	Asp	Lys
			180					185					190		
Glu	Gln	Ala	Glu	Leu	Val	Asp	Phe	Leu	Leu	Ala	Leu	Val	Met	Ile	Leu
		195					200					205			
Leu	Pro	Leu	Val	Ala	Val	Val	Ser	Ser	Tyr	Ala	Ala	Ile	Ile	Val	Ala
	210					215					220				
Ile	Leu	Arg	Ile	Pro	Thr	Ala	Gln	Gly	Arg	His	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Thr	Ser	His	Leu	Ala	Val	Val	Val	Ile	Tyr	Tyr	Ser	Ser	Thr	Leu
			245						250					255	
Phe	Thr	Tyr	Ala	Arg	Pro	Arg	Ala	Met	Tyr	Thr	Phe	Asn	Tyr	Asn	Lys
		260						265					270		
Ile	Ile	Ser	Val	Leu	Tyr	Thr	Val	Ile	Val	Pro	Phe	Leu	Asn	Pro	Ala
	275						280					285			
Ile	Tyr	Cys	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asp	Ala	Phe	Arg	Lys	Thr
	290				295					300					
Met	Leu	Gly	Arg	Cys	His	Pro	Arg	Glu	Gly	Pro	Asp				
305					310				315						

<210> 1673

<211> 312

<212> PRT

<213> Mus musculus

<400> 1673

Met	Ser	Pro	Gly	Asn	Ser	Ser	Trp	Ile	His	Pro	Ser	Ser	Phe	Leu	Leu
1				5					10					15	
Leu	Gly	Ile	Pro	Gly	Leu	Glu	Glu	Leu	Gln	Phe	Trp	Leu	Gly	Leu	Pro
			20					25					30		
Phe	Gly	Thr	Val	Tyr	Leu	Ile	Ala	Val	Leu	Gly	Asn	Val	Ile	Ile	Leu
		35					40					45			
Phe	Val	Ile	Tyr	Leu	Glu	His	Ser	Leu	His	Gln	Pro	Met	Phe	Tyr	Leu

50					55					60					
Leu	Ala	Ile	Leu	Ala	Val	Thr	Asp	Leu	Gly	Leu	Ser	Thr	Ala	Thr	Val
65					70					75					80
Pro	Arg	Ala	Leu	Gly	Ile	Phe	Trp	Phe	Gly	Phe	His	Lys	Ile	Ala	Phe
			85						90					95	
Arg	Asp	Cys	Val	Ala	Gln	Met	Phe	Phe	Ile	His	Leu	Phe	Thr	Gly	Ile
			100					105					110		
Glu	Thr	Phe	Met	Leu	Val	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Ile	Ala	Ile
		115					120					125			
Cys	Asn	Pro	Leu	Arg	Tyr	Asn	Thr	Ile	Leu	Thr	Asn	Arg	Thr	Ile	Cys
		130				135					140				
Ile	Ile	Val	Gly	Val	Gly	Leu	Phe	Lys	Asn	Phe	Ile	Leu	Val	Phe	Pro
145					150					155					160
Leu	Ile	Phe	Leu	Ile	Leu	Arg	Leu	Ser	Phe	Cys	Gly	His	Asn	Ile	Ile
					165				170					175	
Pro	His	Thr	Tyr	Cys	Glu	His	Met	Gly	Ile	Ala	Arg	Leu	Ala	Cys	Val
			180					185					190		
Ser	Ile	Lys	Val	Asn	Val	Leu	Phe	Gly	Leu	Ile	Leu	Ile	Ser	Met	Ile
		195					200					205			
Leu	Leu	Asp	Val	Val	Leu	Ile	Ala	Leu	Ser	Tyr	Ala	Lys	Ile	Leu	His
		210				215					220				
Ala	Val	Phe	Lys	Leu	Pro	Ser	Trp	Glu	Ala	Arg	Leu	Lys	Ala	Leu	Asn
225					230					235					240
Thr	Cys	Gly	Ser	His	Val	Cys	Val	Ile	Leu	Ala	Phe	Phe	Thr	Pro	Ala
					245				250					255	
Phe	Phe	Ser	Phe	Leu	Thr	His	Arg	Phe	Gly	His	Asn	Ile	Pro	Arg	Tyr
			260					265					270		
Ile	His	Ile	Leu	Leu	Ala	Asn	Leu	Tyr	Val	Ile	Ile	Pro	Pro	Ala	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Gly	Val	Arg	Thr	Lys	Gln	Ile	Arg	Asp	Arg	Val
		290				295					300				
Val	Ile	Phe	Phe	Cys	Lys	Glu	Val								
305					310										

<210> 1674
 <211> 320
 <212> PRT
 <213> Mus musculus

<400> 1674															
Met	Ala	Lys	Glu	Val	Glu	Val	Arg	Met	Lys	Ala	Trp	Asn	Glu	Thr	Thr
1				5					10					15	
Val	Leu	Glu	Phe	Val	Leu	Glu	Gly	Phe	Leu	Val	Ala	Gln	His	Leu	Gly
			20					25					30		
Lys	Val	Leu	Phe	Leu	Val	His	Leu	Leu	Val	Tyr	Leu	Ala	Ser	Val	Thr
		35					40					45			
Gly	Asn	Thr	Leu	Ile	Ile	Ala	Ile	Thr	Trp	Ser	Asp	Pro	Arg	Leu	Gln
		50				55					60				
Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Ser	Phe	Ser	Phe	Cys	Glu	Cys	Cys
65					70					75					80
Phe	Ile	Ser	Thr	Val	Ile	Pro	Lys	Leu	Leu	Ala	Ile	Phe	Leu	Phe	Gly
			85						90					95	
Asp	Arg	Thr	Ile	His	Phe	Thr	Pro	Cys	Ile	Ile	Gln	Ala	Phe	Ser	Phe
			100					105					110		
Leu	Phe	Leu	Gly	Ser	Thr	Ile	Phe	Phe	His	Met	Ala	Val	Met	Ser	Leu
		115					120					125			

Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Lys	Pro	Leu	Arg	Tyr	Pro	Ala	Ile	Met
130						135					140				
Asn	Pro	Arg	Val	Cys	Phe	Leu	Leu	Val	Phe	Phe	Ser	Tyr	Val	Leu	Ser
145					150					155					160
Phe	Ile	Leu	Val	Thr	Gly	Val	Ile	Leu	Arg	Leu	Ser	Arg	Leu	Ser	Phe
				165					170						175
Cys	Gly	Ser	Asn	Val	Ile	Pro	His	Phe	Phe	Cys	Asp	Leu	Gly	Ser	Leu
			180					185					190		
Ile	His	Leu	Ser	Cys	Ser	Asp	Thr	Lys	Ser	Leu	Glu	Ser	Met	Ala	Phe
	195						200					205			
Gly	Val	Ala	Val	Val	Val	Leu	Phe	Thr	Ser	Val	Leu	Ala	Ala	Ile	Phe
	210					215					220				
Ala	Tyr	Ser	Asn	Ile	Leu	Ile	Ser	Ile	Met	Arg	Leu	Pro	Leu	Ala	Lys
225					230					235					240
Asp	Arg	Gln	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Ile	Val	Leu
				245					250						255
Ser	Leu	Met	Tyr	Gly	Ser	Cys	Val	Phe	Ile	Tyr	Val	Lys	Pro	Lys	Gln
			260					265					270		
Val	Ser	Arg	Leu	Glu	Ser	Asn	Arg	Glu	Ala	Ala	Leu	Val	Asn	Thr	Val
	275						280						285		
Val	Thr	Pro	Leu	Leu	Asn	Pro	Val	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Gln
	290					295					300				
Val	His	Gln	Ala	Leu	Arg	Asp	Ala	Leu	Ser	Arg	Val	Asn	Leu	Gln	Lys
305					310					315					320

<210> 1675
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1675

Met	Leu	His	Ser	Asn	Lys	Thr	Gln	Phe	His	Pro	Ser	Ser	Phe	Leu	Leu
1				5				10					15		
Ile	Gly	Ile	Pro	Gly	Leu	Glu	Glu	Leu	His	Leu	Trp	Ile	Gly	Phe	Pro
			20					25					30		
Phe	Phe	Ala	Val	Tyr	Leu	Ile	Ala	Val	Leu	Gly	Asn	Ile	Ile	Ile	Leu
	35						40					45			
Phe	Val	Ile	Gln	Thr	Glu	Arg	Ser	Leu	His	Gln	Pro	Met	Phe	Tyr	Phe
	50					55					60				
Leu	Ala	Met	Leu	Ala	Cys	Thr	Asp	Leu	Gly	Leu	Ser	Thr	Ala	Thr	Ile
65					70					75					80
Pro	Lys	Met	Leu	Gly	Ile	Phe	Trp	Phe	Asn	Leu	Arg	Glu	Ile	Ala	Phe
				85					90					95	
Gly	Ala	Cys	Ile	Thr	Gln	Met	Tyr	Ile	Ile	His	Thr	Cys	Thr	Gly	Leu
			100					105					110		
Glu	Ser	Val	Val	Leu	Thr	Ile	Met	Ala	Ile	Asp	Arg	Tyr	Ile	Ala	Ile
		115					120					125			
Cys	Tyr	Pro	Leu	Arg	Tyr	Ser	Met	Ile	Leu	Thr	Asn	Lys	Val	Ile	Ala
	130					135					140				
Ile	Leu	Gly	Ile	Ile	Ile	Ile	Val	Arg	Thr	Leu	Ile	Phe	Val	Thr	Pro
145					150					155					160
Phe	Ile	Phe	Leu	Ile	Leu	Arg	Leu	Pro	Phe	Cys	Gly	Val	Arg	Ile	Ile
			165						170					175	
Pro	His	Thr	Tyr	Cys	Glu	His	Met	Gly	Leu	Ala	Lys	Leu	Ala	Cys	Ala
		180						185					190		
Asn	Ile	Lys	Val	Asn	Val	Ile	Tyr	Gly	Leu	Val	Ala	Phe	Ser	Val	Gly

	195		200		205										
Tyr	Ile	Asp	Leu	Ser	Val	Ile	Gly	Phe	Ser	Tyr	Ile	Arg	Ile	Leu	Gln
	210					215					220				
Ala	Val	Phe	Arg	Leu	Pro	Ser	Trp	Asp	Ala	Arg	Leu	Lys	Ala	Leu	Ser
225					230					235					240
Thr	Cys	Gly	Ser	His	Val	Ser	Val	Met	Leu	Ala	Phe	Tyr	Leu	Pro	Ala
				245					250					255	
Leu	Phe	Ser	Phe	Met	Thr	His	Arg	Phe	Gly	His	Asn	Ile	Pro	His	Tyr
			260					265					270		
Ile	His	Ile	Leu	Leu	Ala	Asn	Leu	Tyr	Val	Val	Val	Pro	Pro	Ala	Leu
	275						280					285			
Asn	Pro	Val	Ile	Tyr	Gly	Val	Arg	Thr	Lys	Gln	Ile	Arg	Glu	Arg	Val
	290					295					300				
Leu	Arg	Met	Leu	Asn	Pro	Lys	Met	His							
305					310										

<210> 1676
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1676

Met	Leu	Gln	Met	Gln	Asp	Asn	Thr	Glu	Phe	Leu	Ser	Asn	Phe	Thr	Ser
1				5					10					15	
Lys	Leu	Pro	Thr	Phe	Leu	Leu	Thr	Gly	Ile	Pro	Gly	Leu	Glu	Ser	Ala
			20					25					30		
His	Gly	Trp	Ile	Ser	Ile	Pro	Phe	Cys	Cys	Leu	Tyr	Ala	Thr	Ala	Leu
	35					40						45			
Ser	Gly	Asn	Ser	Met	Ile	Leu	Phe	Ile	Ile	Val	Thr	Gln	His	Ser	Leu
	50				55					60					
His	Glu	Pro	Met	Tyr	Tyr	Phe	Leu	Ser	Val	Leu	Ser	Ala	Thr	Asp	Leu
65				70					75						80
Gly	Leu	Thr	Phe	Ser	Thr	Met	Ser	Thr	Thr	Leu	Arg	Ile	Leu	Trp	Phe
			85					90						95	
Gln	Ala	Asn	Glu	Ile	Ser	Leu	Asp	Phe	Cys	Ile	Val	Gln	Met	Phe	Phe
		100					105					110			
Leu	His	Gly	Phe	Thr	Cys	Thr	Glu	Ser	Gly	Val	Leu	Val	Ala	Met	Ala
	115					120						125			
Phe	Asp	Arg	Tyr	Val	Ala	Ile	Tyr	Lys	Pro	Leu	Arg	Tyr	Thr	Met	Ile
	130				135					140					
Leu	Met	Asn	Ser	Arg	Ile	Ile	Gln	Ile	Gly	Phe	Leu	Val	Ile	Met	His
145				150					155						160
Thr	Leu	Leu	Leu	Thr	Val	Pro	Leu	Leu	Leu	Leu	Lys	Pro	Val	Ser	
			165					170						175	
Phe	Cys	Lys	Arg	Asn	Thr	Leu	Ser	His	Ser	Tyr	Cys	Tyr	His	Pro	Asp
		180					185					190			
Val	Ile	Lys	Leu	Ala	Cys	Ser	Asp	Thr	Arg	Ala	Asn	Ser	Ile	Cys	Gly
	195					200						205			
Leu	Val	Asp	Leu	Ile	Leu	Thr	Thr	Gly	Val	Asp	Ile	Pro	Cys	Ile	Val
	210					215					220				
Leu	Ser	Tyr	Ile	Leu	Ile	Ile	Arg	Ser	Val	Leu	Asn	Ile	Ala	Phe	Ser
225				230					235						240
Glu	Glu	Arg	His	Lys	Ala	Phe	Ser	Thr	Cys	Val	Ser	His	Ile	Ala	Ala
			245					250						255	
Val	Ala	Val	Phe	Tyr	Ile	Pro	Thr	Phe	Ser	Leu	Ser	Leu	Val	His	Arg
		260						265					270		

Tyr	Gly	Arg	Ser	Val	Pro	Lys	Val	Val	His	Thr	Met	Met	Ala	Asn	Val
		275					280					285			
Tyr	Leu	Leu	Leu	Pro	Pro	Val	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Val	Lys
	290					295					300				
Thr	Lys	Gln	Ile	Arg	Lys	Ala	Ile	Leu	Ser	Leu	Leu	Phe	Ala	Lys	
305					310					315					

<210> 1677
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1677

Met	Val	Asn	Asp	Thr	Thr	His	His	Tyr	Ile	Ser	Phe	Phe	Tyr	Leu	Val
1				5				10						15	
Gly	Ile	Pro	Gly	Phe	Glu	Asn	Phe	Tyr	Tyr	Leu	Ile	Ser	Ile	Pro	Val
		20						25					30		
Cys	Leu	Leu	Phe	Val	Leu	Thr	Leu	Leu	Gly	Asn	Ser	Val	Val	Ile	Ala
	35					40						45			
Thr	Ile	Lys	Leu	Glu	Pro	Ser	Leu	His	Gln	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Cys	Met	Leu	Ala	Met	Asn	Asp	Ile	Leu	Leu	Thr	Cys	Ser	Thr	Ser	Leu
65					70					75					80
Lys	Met	Leu	Gly	Ile	Phe	Trp	Phe	Asn	Glu	His	Trp	Ile	Glu	Phe	Asp
			85					90						95	
Val	Cys	Leu	Thr	Gln	Met	Tyr	Phe	Ile	His	Thr	Leu	Cys	Ile	Phe	Glu
			100					105						110	
Ser	Ala	Ile	Leu	Val	Ala	Met	Ala	Phe	Asp	Arg	Phe	Val	Ala	Ile	Cys
		115					120						125		
Ile	Pro	Leu	His	Tyr	Ala	Thr	Ile	Leu	Thr	Thr	Ala	Met	Val	Ile	Lys
	130					135					140				
Leu	Gly	Val	Val	Gly	Leu	Ser	Arg	Ala	Leu	Leu	Met	Val	Leu	Pro	Cys
145					150					155					160
Pro	Leu	Leu	Ile	Lys	Arg	Leu	Pro	Tyr	Tyr	Thr	Gly	Tyr	Ile	Ile	Pro
			165					170						175	
His	Thr	Tyr	Cys	Glu	His	Met	Ala	Val	Val	Lys	Leu	Ala	Ser	Ala	Asn
		180						185						190	
Thr	Phe	Ile	Asn	Arg	Ala	Tyr	Gly	Ile	Ser	Ala	Ala	Leu	Ser	Val	Ile
	195					200						205			
Thr	Leu	Asp	Val	Trp	Leu	Ile	Ala	Ala	Ser	Tyr	Ile	Lys	Ile	Leu	Gln
	210				215						220				
Ala	Val	Phe	Arg	Leu	Ser	Ser	Gln	Asn	Ala	Arg	Ser	Lys	Ala	Leu	Gly
225					230					235					240
Thr	Cys	Ala	Ala	His	Val	Cys	Thr	Ile	Leu	Ala	Phe	Tyr	Thr	Pro	Ala
			245					250						255	
Leu	Phe	Ser	Phe	Leu	Thr	His	Arg	Ile	Gly	Lys	Asn	Val	Pro	Pro	Ser
		260						265						270	
Val	His	Ile	Ile	Leu	Ala	Ser	Met	Tyr	Leu	Leu	Val	Pro	Pro	Thr	Val
		275					280						285		
Asn	Pro	Leu	Val	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Arg	Asp	Arg	Val
	290					295					300				
Leu	Ser	Leu	Phe	Ser	His	Leu	Lys	Ile	Ala	Glu	Tyr				
305					310					315					

<210> 1678

<211> 315
 <212> PRT
 <213> Mus musculus

<400> 1678

Met	Gln	His	Thr	Asn	His	Ser	His	Gln	Asn	Pro	Ser	Ser	Phe	Leu	Leu
1				5					10					15	
Met	Gly	Ile	Pro	Gly	Leu	Glu	Ala	Ser	His	Phe	Trp	Ile	Ala	Phe	Pro
			20					25					30		
Phe	Cys	Ser	Met	Tyr	Ala	Leu	Ala	Val	Leu	Gly	Asn	Met	Ala	Val	Leu
		35					40					45			
Leu	Val	Val	Arg	Ser	Glu	Pro	Ser	Leu	His	Gln	Pro	Met	Tyr	Leu	Phe
	50					55					60				
Leu	Cys	Met	Leu	Ser	Thr	Ile	Asp	Leu	Ile	Leu	Cys	Thr	Ser	Thr	Val
65					70					75					80
Pro	Lys	Leu	Leu	Ala	Leu	Phe	Trp	Ala	Asn	Ala	Ala	Glu	Ile	Ala	Phe
				85					90					95	
Gly	Ala	Cys	Ala	Thr	Gln	Met	Phe	Phe	Ile	His	Gly	Phe	Ser	Ala	Val
			100					105					110		
Glu	Ser	Gly	Ile	Leu	Leu	Ser	Met	Ala	Phe	Asp	Arg	Tyr	Leu	Ala	Ile
	115						120					125			
Cys	Arg	Pro	Leu	His	Tyr	Gly	Ser	Leu	Leu	Ser	Ser	Glu	Ser	Val	Ser
	130					135					140				
Lys	Leu	Gly	Ala	Ala	Ala	Leu	Leu	Arg	Gly	Leu	Gly	Leu	Met	Thr	Pro
145					150					155					160
Leu	Thr	Cys	Leu	Leu	Ala	Arg	Leu	Ser	Tyr	Cys	Gly	Arg	Val	Val	Ala
			165						170					175	
His	Ser	Tyr	Cys	Glu	His	Met	Ala	Val	Val	Lys	Leu	Ala	Cys	Gly	Gly
		180						185					190		
Thr	Gln	Pro	Asn	Asn	Ile	Tyr	Gly	Ile	Thr	Ala	Ala	Thr	Leu	Val	Val
	195						200					205			
Gly	Thr	Asp	Ser	Ile	Cys	Ile	Ala	Ile	Ser	Tyr	Ala	Leu	Ile	Leu	Arg
	210					215					220				
Ala	Val	Leu	Gly	Leu	Ser	Ser	Lys	Glu	Ala	Arg	Ala	Lys	Thr	Phe	Gly
225					230					235					240
Thr	Cys	Gly	Ser	His	Leu	Gly	Val	Ile	Leu	Leu	Phe	Tyr	Thr	Pro	Gly
			245					250						255	
Leu	Phe	Ser	Phe	Tyr	Thr	Gln	Arg	Phe	Gly	Gln	His	Val	Pro	Arg	His
		260						265					270		
Val	His	Ile	Leu	Leu	Ala	Asp	Leu	Tyr	Leu	Val	Val	Pro	Pro	Met	Leu
	275						280					285			
Asn	Pro	Ile	Ile	Tyr	Gly	Met	Lys	Thr	Lys	Gln	Ile	Arg	Asp	Gly	Ala
	290					295					300				
Leu	Arg	Leu	Leu	Lys	Arg	Gly	Pro	Ala	Gln	Ser					
305					310					315					

<210> 1679
 <211> 324
 <212> PRT
 <213> Mus musculus

<400> 1679

Met	Leu	Gly	Pro	Ser	Tyr	Asn	His	Thr	Met	Glu	Ser	Pro	Gly	Thr	Phe
1				5					10					15	
Phe	Leu	Leu	Gly	Ile	Pro	Gly	Phe	Gln	Ser	Ser	Tyr	Leu	Trp	Leu	Ala
			20					25					30		

Ile	Ser	Leu	Ser	Thr	Met	Tyr	Ser	Ile	Ala	Leu	Leu	Gly	Asn	Met	Leu
	35						40					45			
Ile	Ile	Ile	Val	Ile	Cys	Met	Asp	Ser	Thr	Leu	Gln	Glu	Pro	Met	Tyr
	50					55					60				
Phe	Phe	Leu	Cys	Val	Leu	Ala	Ala	Val	Asp	Ile	Val	Met	Ala	Ser	Ser
65					70				75					80	
Val	Val	Pro	Lys	Met	Val	Ser	Ile	Phe	Ser	Ser	Gly	Asp	Ser	Ser	Ile
				85				90						95	
Ser	Phe	Asn	Ala	Cys	Phe	Thr	Gln	Met	Tyr	Phe	Val	His	Ala	Ala	Thr
		100						105					110		
Ala	Val	Glu	Thr	Gly	Leu	Leu	Leu	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val
	115						120					125			
Ala	Ile	Cys	Lys	Pro	Leu	His	Tyr	Met	Arg	Ile	Leu	Thr	Arg	His	Val
	130					135					140				
Met	Leu	Gly	Ile	Ser	Val	Thr	Ile	Thr	Val	Arg	Ala	Val	Ile	Phe	Met
145					150					155					160
Thr	Pro	Leu	Ser	Trp	Met	Leu	Ser	His	Leu	Pro	Phe	Cys	Ala	Ser	Asn
				165				170						175	
Val	Val	Pro	His	Ser	Tyr	Cys	Glu	His	Met	Ala	Val	Ala	Lys	Leu	Ala
		180						185					190		
Cys	Ala	Asp	Pro	Met	Pro	Ser	Ser	Leu	Tyr	Ser	Leu	Ile	Phe	Ser	Ser
	195					200						205			
Ile	Ile	Val	Gly	Ser	Asp	Val	Ala	Phe	Ile	Ser	Ala	Ser	Tyr	Ser	Leu
	210					215					220				
Ile	Leu	Lys	Ala	Val	Phe	Gly	Leu	Ser	Ser	Arg	Asn	Ala	Gln	Trp	Lys
225					230					235					240
Ala	Leu	Ser	Thr	Cys	Gly	Ser	His	Val	Gly	Val	Met	Ala	Leu	Tyr	Tyr
				245					250					255	
Leu	Pro	Gly	Met	Ala	Ser	Ile	Tyr	Val	Ala	Trp	Leu	Gly	Gln	Asp	Arg
		260						265					270		
Val	Pro	Leu	His	Thr	Gln	Val	Leu	Leu	Ala	Asp	Leu	Tyr	Leu	Ile	Ile
		275					280					285			
Pro	Pro	Thr	Leu	Asn	Pro	Ile	Ile	Tyr	Gly	Ile	Arg	Thr	Arg	Gln	Ile
	290					295					300				
Arg	Glu	Arg	Ile	Trp	Ser	Leu	Leu	Thr	His	Cys	Phe	Phe	Ser	Gln	Cys
305					310					315					320
Thr	Gln	Gly	Ser												

<210> 1680
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1680

Met	Gln	Leu	Asn	Ile	Asn	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Gln	Asp	Pro	Ser	Arg	Lys	Asn	Ile	Val	Phe	Ala	Ile	Phe	Leu	Phe	Phe
		20						25					30		
Tyr	Met	Gly	Thr	Leu	Leu	Gly	Asn	Phe	Leu	Ile	Ile	Val	Thr	Ile	Lys
	35					40						45			
Thr	Ser	Pro	Ala	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Phe	Tyr	Leu
	50					55					60				
Ser	Leu	Ser	Asp	Thr	Cys	Phe	Ser	Thr	Thr	Val	Ala	Pro	Arg	Thr	Ile
65					70					75				80	
Val	Asp	Ser	Leu	Leu	Lys	Glu	Ala	Ser	Ile	Ser	Phe	Asn	Glu	Cys	Ile

Ile	Gly	Leu	Ile	Lys	Leu	Ser	Phe	Cys	Gly	Pro	Asn	Val	Ile	Ser	His
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Pro	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
Ser	Met	Asn	Glu	Leu	Leu	Leu	Leu	Val	Phe	Ser	Gly	Val	Ile	Ala	Ile
		195					200					205			
Thr	Thr	Leu	Leu	Thr	Val	Val	Leu	Ser	Tyr	Ile	Phe	Ile	Val	Ala	Ala
	210					215					220				
Ile	Leu	Arg	Ile	Arg	Ser	Ala	Ala	Gly	Arg	His	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly	Ser	Ile	Ser
			245					250						255	
Phe	Ser	Tyr	Ile	Gln	Pro	Ser	Ser	Gln	Tyr	Ser	Leu	Glu	Gln	Glu	Lys
			260					265					270		
Val	Val	Ser	Val	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asp	Ala	Val	Lys	Arg	Val
	290				295						300				
Met	Glu	Ile	Lys	His	Ser	Leu	His								
305					310										

<210> 1682
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1682

Met	Ile	Thr	Ser	Asn	Val	Ser	Ser	Tyr	Asn	Pro	Gly	Pro	Phe	Leu	Leu
1				5					10					15	
Val	Gly	Ile	Pro	Gly	Leu	Glu	His	Phe	His	Val	Trp	Ile	Gly	Ile	Pro
			20					25					30		
Phe	Cys	Val	Ile	Tyr	Ile	Ile	Ala	Val	Val	Gly	Asn	Cys	Ile	Leu	Leu
	35						40					45			
Tyr	Leu	Ile	Thr	Val	Glu	Arg	Ser	Leu	His	Glu	Pro	Met	Phe	Phe	Phe
	50					55					60				
Leu	Ser	Met	Leu	Ala	Met	Thr	Asp	Leu	Ile	Leu	Ser	Thr	Asp	Gly	Val
65					70					75					80
Pro	Lys	Thr	Leu	Ser	Ile	Phe	Trp	Met	Gly	Ala	Arg	Glu	Ile	Thr	Phe
			85						90					95	
Pro	Gly	Cys	Leu	Thr	Gln	Met	Phe	Phe	Leu	His	Tyr	Ser	Phe	Val	Leu
			100					105					110		
Asp	Ser	Ala	Ile	Leu	Met	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile
		115					120					125			
Cys	Ser	Pro	Leu	Arg	Tyr	Ala	Thr	Ile	Leu	Thr	Pro	Lys	Thr	Ile	Val
	130					135					140				
Lys	Ile	Ala	Val	Gly	Ile	Ser	Phe	Arg	Ser	Phe	Cys	Ile	Ile	Leu	Pro
145					150					155					160
Val	Val	Phe	Leu	Leu	Thr	Arg	Leu	Pro	Phe	Cys	Arg	Thr	Arg	Ile	Ile
			165						170					175	
Pro	His	Thr	Tyr	Cys	Glu	His	Ile	Gly	Val	Ala	Arg	Leu	Ala	Cys	Ala
		180						185					190		
Asp	Ile	Ser	Ile	Asn	Ile	Trp	Tyr	Gly	Phe	Cys	Val	Pro	Ile	Met	Thr
		195				200						205			
Val	Ile	Ser	Asp	Val	Val	Leu	Ile	Ala	Val	Ser	Tyr	Thr	Leu	Ile	Leu
	210					215					220				
Cys	Ala	Val	Phe	Arg	Leu	Pro	Ser	Arg	Asp	Ala	Arg	Gln	Lys	Ala	Leu

225					230					235				240	
Gly	Thr	Cys	Gly	Ser	His	Val	Cys	Val	Ile	Leu	Met	Phe	Tyr	Thr	Pro
				245					250					255	
Ala	Phe	Phe	Ser	Ile	Leu	Ala	His	Arg	Phe	Gly	His	Asn	Val	Ser	Leu
			260					265					270		
Thr	Phe	His	Ile	Met	Phe	Ala	Asn	Leu	Tyr	Ile	Val	Ile	Pro	Pro	Ala
		275					280					285			
Met	Asn	Pro	Ile	Val	Tyr	Gly	Val	Lys	Thr	Lys	Gln	Ile	Arg	Glu	Lys
	290					295					300				
Val	Ile	Leu	Leu	Phe	Ser	Val	Lys	Ser	Ile	Asp	Gly				
305					310					315					

<210> 1683
 <211> 320
 <212> PRT
 <213> Mus musculus

<400> 1683

Met	Gly	Thr	Lys	His	Ala	Thr	Asn	Ser	Ser	Glu	Phe	Gln	Val	Ser	Glu
1				5					10					15	
Phe	Ile	Leu	Leu	Gly	Phe	Pro	Gly	Ile	His	Glu	Phe	Gln	Ile	Trp	Leu
		20					25						30		
Ser	Leu	Pro	Met	Ala	Leu	Leu	Tyr	Ile	Ile	Ala	Leu	Gly	Ala	Asn	Phe
	35						40					45			
Leu	Ile	Leu	Ile	Thr	Ile	Tyr	Leu	Glu	Pro	Asn	Leu	His	Gln	Ser	Met
	50					55					60				
Tyr	Gln	Phe	Leu	Gly	Ile	Leu	Ala	Val	Val	Asp	Ile	Gly	Leu	Ala	Thr
65					70					75					80
Thr	Ser	Met	Pro	Lys	Ile	Leu	Ala	Ile	Leu	Trp	Phe	Asp	Ala	Lys	Thr
				85					90					95	
Ile	Ser	Leu	Pro	Glu	Cys	Phe	Ala	Gln	Ile	Tyr	Ala	Ile	His	Thr	Phe
			100					105					110		
Met	Ser	Met	Glu	Ser	Gly	Val	Phe	Leu	Cys	Met	Ala	Ile	Asp	Arg	Tyr
	115						120					125			
Val	Ala	Ile	Cys	Tyr	Pro	Leu	Gln	Tyr	Pro	Ser	Ile	Val	Thr	Glu	Ala
	130					135					140				
Phe	Val	Ile	Lys	Ala	Thr	Leu	Ser	Met	Met	Leu	Arg	Ser	Gly	Leu	Leu
145					150					155					160
Thr	Ile	Pro	Val	Pro	Val	Leu	Ala	Ala	Gln	Arg	Gln	Tyr	Cys	Ser	Arg
			165						170					175	
Asn	Glu	Ile	Asp	His	Cys	Leu	Cys	Ser	Asn	Leu	Gly	Val	Ile	Ser	Leu
		180						185					190		
Ala	Cys	Asp	Asp	Ile	Thr	Val	Asn	Arg	Asn	Cys	Gln	Leu	Thr	Leu	Ala
	195						200					205			
Trp	Leu	Ile	Leu	Gly	Ile	Asp	Met	Ile	Leu	Val	Cys	Val	Ser	Tyr	Ala
	210					215					220				
Leu	Ile	Ile	Arg	Ser	Val	Leu	Arg	Leu	Asn	Ser	Thr	Glu	Ala	Val	Ser
225					230					235					240
Lys	Ala	Leu	Ser	Thr	Cys	Ser	Ser	His	Leu	Ile	Leu	Ile	Met	Phe	Tyr
			245						250					255	
Tyr	Thr	Ala	Ile	Val	Ile	Leu	Ser	Val	Thr	His	Leu	Ala	Gly	Arg	Arg
		260						265					270		
Val	Pro	Leu	Ile	Pro	Val	Leu	Leu	Asn	Val	Met	His	Ile	Val	Ile	Pro
	275						280					285			
Pro	Ser	Leu	Asn	Pro	Met	Val	Tyr	Ala	Leu	Arg	Thr	Gln	Glu	Leu	Lys
	290					295					300				

Val	Gly	Phe	Arg	Lys	Val	Phe	Asp	Leu	Ser	His	Tyr	Val	Ser	Arg	Lys
305					310					315					320

<210> 1684
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1684

Met	Thr	Ala	Lys	Asn	Ser	Ser	Val	Thr	Glu	Phe	Ile	Leu	Ala	Gly	Leu
1				5					10					15	
Thr	Asn	Gln	Pro	Gly	Leu	Arg	Met	Pro	Leu	Phe	Phe	Leu	Phe	Leu	Gly
			20					25					30		
Phe	Tyr	Met	Val	Thr	Val	Val	Gly	Asn	Leu	Gly	Leu	Ile	Ser	Leu	Ile
		35					40					45			
Gly	Leu	Asn	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Phe	Asn
		50				55					60				
Leu	Ser	Val	Ile	Asp	Phe	Cys	Tyr	Ser	Ser	Thr	Ile	Ile	Pro	Lys	Met
65					70					75					80
Leu	Thr	Ser	Phe	Ile	Ser	Lys	Thr	Asn	Ile	Ile	Ser	His	Ser	Gly	Cys
			85					90						95	
Met	Thr	Gln	Leu	Phe	Phe	Phe	Cys	Phe	Phe	Val	Phe	Ser	Glu	Ser	Phe
		100						105					110		
Ile	Leu	Ser	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro
		115					120					125			
Leu	Met	Tyr	Thr	Val	Thr	Met	Ser	Pro	Gln	Val	Cys	Leu	Leu	Leu	Leu
		130				135					140				
Leu	Gly	Val	Tyr	Val	Met	Gly	Phe	Ser	Gly	Gly	Ile	Ala	His	Thr	Gly
145					150					155					160
Asn	Leu	Met	Asn	Leu	Thr	Phe	Cys	Ala	Asp	Asn	Leu	Ile	Asn	His	Phe
			165						170					175	
Met	Cys	Asp	Ile	Leu	Pro	Leu	Leu	Glu	Leu	Ser	Cys	Ser	Asn	Thr	Phe
		180						185					190		
Thr	Asn	Glu	Leu	Val	Val	Phe	Ile	Val	Val	Ala	Phe	Gly	Ile	Gly	Val
		195					200					205			
Pro	Ile	Val	Thr	Ile	Phe	Ile	Ser	Tyr	Ala	Leu	Ile	Leu	Ser	Ser	Ile
	210					215					220				
Leu	Tyr	Met	His	Ser	Thr	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Leu	Ile	Val	Val	Cys	Leu	Phe	Phe	Gly	Ser	Gly	Ala	Phe
			245						250					255	
Met	Tyr	Leu	Lys	Pro	Pro	Ser	Ile	Leu	Pro	Leu	Asp	Gln	Gly	Lys	Val
		260						265					270		
Ser	Ser	Leu	Phe	Tyr	Thr	Ile	Val	Val	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Leu	Arg	Lys	Thr	Leu
	290					295					300				
Gly	Lys	Arg	Ile	Leu	Ser										
305					310										

<210> 1685
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1685

Met	Phe	Gln	Ile	Leu	Arg	Asp	Ser	Asn	Ser	Ser	Arg	Phe	Gln	Val	Ser
1				5					10					15	
Glu	Phe	Ile	Leu	Met	Gly	Phe	Pro	Gly	Ile	His	Ser	Trp	Gln	His	Trp
			20					25					30		
Leu	Ser	Leu	Pro	Leu	Ala	Leu	Leu	Tyr	Val	Leu	Ala	Leu	Ile	Ala	Asn
			35				40					45			
Ile	Leu	Ile	Val	Thr	Val	Ile	Tyr	Gln	Glu	Ala	Ser	Leu	His	Gln	Pro
	50					55					60				
Met	Tyr	His	Phe	Leu	Gly	Ile	Leu	Ala	Ile	Val	Asp	Val	Gly	Leu	Ala
65					70					75					80
Thr	Thr	Ile	Met	Pro	Lys	Ile	Leu	Ala	Ile	Leu	Trp	Phe	Asn	Asp	Asn
				85					90					95	
Asn	Ile	Ser	Leu	Pro	Glu	Cys	Phe	Ala	Gln	Met	Tyr	Ala	Ile	His	Cys
			100					105					110		
Phe	Val	Ala	Met	Glu	Ser	Gly	Ile	Phe	Val	Cys	Met	Ala	Ile	Asp	Arg
		115					120					125			
Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	Arg	Tyr	Ser	Ser	Ile	Val	Thr	Glu
	130					135					140				
Ser	Phe	Val	Val	Lys	Ala	Thr	Val	Ile	Met	Ala	Ile	Arg	Asn	Phe	Val
145					150					155					160
Ala	Pro	Met	Ser	Val	Pro	Val	Leu	Ala	Ala	Gln	Arg	Asn	Tyr	Cys	Phe
				165					170					175	
Gln	Asn	Lys	Ile	Glu	His	Cys	Leu	Cys	Ser	Asn	Leu	Gly	Val	Thr	Ser
			180					185					190		
Leu	Ala	Cys	Asp	Asp	Arg	Lys	Ile	Asn	Ser	Ile	Asn	Gln	Leu	Phe	Leu
		195					200					205			
Ala	Trp	Thr	Leu	Met	Gly	Ser	Asp	Leu	Ala	Leu	Ile	Met	Ile	Ser	Tyr
	210					215					220				
Ala	Leu	Ile	Leu	Arg	Ser	Val	Leu	Arg	Leu	Asn	Ser	Ala	Glu	Ala	Ala
225					230					235					240
Ser	Lys	Ala	Leu	Ser	Thr	Cys	Thr	Ser	His	Leu	Ile	Leu	Ile	Phe	Phe
				245					250					255	
Phe	Tyr	Thr	Val	Ile	Val	Val	Ile	Ser	Ile	Thr	His	Ser	Val	Gly	Ile
			260					265					270		
Lys	Ile	Pro	Leu	Ile	Pro	Val	Leu	Leu	Asn	Val	Leu	His	Asn	Val	Ile
		275					280					285			
Pro	Pro	Ala	Leu	Asn	Pro	Met	Val	Tyr	Ala	Leu	Lys	Asn	Lys	Glu	Leu
	290					295					300				
Lys	Gln	Gly	Leu	Tyr	Lys	Val	Leu	Arg	Leu	Asp	Val	Lys	Glu	Gly	
305					310					315					

<210> 1686

<211> 306

<212> PRT

<213> Mus musculus

<400> 1686

Met	Glu	Lys	Gly	Asn	Gln	Ser	Thr	Val	Asn	Lys	Phe	Phe	Leu	Ser	Gly
1				5					10					15	
Leu	Thr	Glu	Gln	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Gly	Ile	Tyr	Leu	Leu	Thr	Val	Leu	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu
		35					40					45			
Ile	Leu	Leu	Ser	Ser	Tyr	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				

Ser	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Gln	Ser	Thr	Val	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Val	Lys	Phe	Val	Arg	Glu	Lys	Asn	Glu	Ile	Ser	Tyr	Pro	Glu
				85					90					95	
Cys	Ile	Thr	Gln	Leu	Cys	Phe	Phe	Val	Ile	Phe	Ala	Val	Ser	Glu	Ser
			100					105					110		
Tyr	Met	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser
		115					120					125			
Pro	Leu	Leu	Tyr	Ser	Ser	Ile	Met	Ser	Gln	His	Lys	Cys	Leu	Ser	Leu
	130					135					140				
Val	Leu	Gly	Val	Tyr	Ile	Leu	Gly	Ile	Val	Cys	Ala	Ser	Ala	His	Val
145					150					155					160
Gly	Cys	Ile	Phe	Arg	Ile	Asp	Phe	Cys	Lys	Ser	Asp	Leu	Ile	Asn	His
			165						170					175	
Tyr	Phe	Cys	Asp	Leu	Ile	Ser	Ile	Leu	Asn	Leu	Ser	Cys	Ser	Asn	Ile
			180					185					190		
Phe	Val	Asn	Asp	Leu	Val	Ile	Leu	Ile	Phe	Ser	Leu	Ile	Asn	Thr	Ile
		195					200					205			
Phe	Pro	Thr	Leu	Thr	Ile	Leu	Ser	Ser	Tyr	Ala	Phe	Ile	Ile	Ile	Ser
	210					215					220				
Ile	Leu	Arg	Ile	Lys	Ser	Thr	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ser	Ala	Val	Ala	Ile	Phe	Tyr	Ile	Ser	Ala	Gly
			245						250					255	
Phe	Thr	Tyr	Leu	Asn	Pro	Ser	Ser	Ser	His	Ser	Met	Asp	Glu	Gly	Lys
			260					265					270		
Val	Ser	Ser	Ile	Phe	Tyr	Thr	Ile	Ile	Val	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ile	Ala	Leu	Lys	Lys	Met
	290					295					300				
Ile	Glu														
305															

<210> 1687
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1687															
Met	Glu	Gln	Gly	Asn	His	Ser	Thr	Val	Lys	Lys	Phe	Phe	Leu	Ser	Gly
1				5					10					15	
Leu	Thr	Glu	Gln	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Gly	Ile	Tyr	Leu	Leu	Thr	Val	Leu	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu
	35						40					45			
Ile	Leu	Leu	Ser	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Ser	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Gln	Ser	Thr	Val	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Val	Asn	Phe	Val	Arg	Glu	Lys	Asn	Glu	Ile	Ser	Tyr	Pro	Glu
			85						90					95	
Cys	Ile	Thr	Gln	Leu	Tyr	Phe	Phe	Leu	Leu	Phe	Ala	Ile	Ser	Glu	Cys
			100					105					110		
Tyr	Met	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser
		115					120					125			
Pro	Leu	Leu	Tyr	Ser	Ser	Ile	Met	Ser	Gln	His	Lys	Cys	Leu	Ser	Ile

130		135		140											
Val	Leu	Gly	Val	Tyr	Ile	Ile	Gly	Ile	Val	Cys	Ala	Ser	Ala	His	Val
145					150					155					160
Gly	Cys	Met	Phe	Arg	Ile	Asp	Phe	Cys	Arg	Tyr	Asp	Val	Ile	Asn	His
				165						170					175
Tyr	Phe	Cys	Asp	Leu	Ile	Ser	Ile	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Ala
			180					185						190	
Phe	Val	Asn	Glu	Leu	Met	Ile	Leu	Ile	Phe	Ser	Gly	Val	Asn	Ile	Ile
		195					200					205			
Ala	Pro	Thr	Leu	Thr	Ile	Leu	Ser	Ser	Tyr	Val	Phe	Ile	Ile	Met	Ser
	210				215						220				
Ile	Leu	Arg	Ile	Lys	Ser	Thr	Glu	Gly	Arg	Ser	Lys	Thr	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ser	Ala	Val	Ala	Val	Phe	Tyr	Gly	Ser	Ala	Ala
			245					250						255	
Phe	Met	Tyr	Leu	Asn	Pro	Ser	Ser	Ser	Asn	Ser	Met	Asp	Glu	Gly	Lys
			260				265					270			
Val	Ser	Ser	Ile	Phe	Tyr	Thr	Ile	Ile	Val	Pro	Met	Leu	Asn	Pro	Leu
	275					280					285				
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Asn	Ile	Ala	Leu	Lys	Lys	Met
	290				295					300					
Ile	Gln	Arg	Arg												
305															

<210> 1688
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1688

Met	Ala	Glu	Gly	Asn	Phe	Ser	Val	Val	Thr	Glu	Phe	Ile	Leu	Thr	Gly
1				5					10					15	
Leu	Thr	Glu	Lys	Pro	Ala	Leu	Gln	Leu	Pro	Leu	Leu	Phe	Leu	Phe	Leu
			20					25					30		
Gly	Ile	Tyr	Val	Val	Thr	Val	Ile	Gly	Asn	Leu	Gly	Met	Val	Met	Leu
	35					40					45				
Ile	Leu	Phe	Ser	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50				55					60					
Asn	Leu	Ser	Phe	Val	Asp	Leu	Cys	Gln	Ser	Ser	Val	Ile	Met	Pro	Lys
65				70					75					80	
Met	Leu	Glu	Lys	Phe	Val	Met	Val	Lys	Ser	Val	Ile	Ser	Tyr	Ala	Glu
			85					90						95	
Cys	Met	Ala	Gln	Phe	Tyr	Leu	Phe	Asp	Val	Phe	Ala	Val	Ser	Glu	Cys
		100						105					110		
His	Met	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
	115					120					125				
Pro	Leu	Leu	Tyr	Asn	Val	Thr	Met	Ser	Tyr	Lys	Val	Cys	Ser	Trp	Met
	130				135						140				
Val	Val	Gly	Val	Tyr	Ser	Val	Gly	Leu	Ile	Cys	Ala	Thr	Gly	Glu	Thr
145				150						155					160
Val	Cys	Leu	Leu	Arg	Leu	Leu	Phe	Cys	Lys	Ala	Gly	Asp	Ile	Asn	His
			165					170						175	
Tyr	Phe	Cys	Asp	Leu	Leu	Pro	Leu	Leu	Glu	Gln	Ser	Cys	Ser	Asn	Thr
		180					185					190			
Phe	Ile	Asn	Glu	Ile	Leu	Gly	Leu	Ser	Phe	Ser	Ser	Phe	Asn	Ile	Thr
	195					200						205			

Val	Pro	Ala	Leu	Thr	Ile	Leu	Ser	Ser	Tyr	Ile	Phe	Ile	Ile	Ala	Ser
210						215					220				
Ile	Leu	Arg	Ile	Pro	Ser	Thr	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Leu	Ala	Val	Ala	Val	Phe	Phe	Gly	Ser	Leu	Ala
			245						250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Val	Ser	Ser	Met	Asp	Gln	Gly	Lys
		260						265					270		
Val	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Val	Val	Pro	Met	Leu	Asn	Pro	Leu
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Phe	Tyr	Lys	Val
	290					295					300				
Val	Gly	Arg	Arg	Glu	Phe	Met									
305						310									

<210> 1689
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1689

Met	Glu	Lys	Ser	Asn	Asp	Ser	Ser	Glu	Tyr	Gly	Phe	Ile	Leu	Glu	Gly
1				5					10					15	
Phe	Ser	Asp	Arg	Pro	Arg	Leu	Glu	Met	Val	Leu	Phe	Ile	Val	Asn	Phe
		20						25					30		
Thr	Leu	Tyr	Ser	Val	Ala	Val	Leu	Gly	Asn	Ile	Thr	Ile	Ile	Leu	Val
		35					40					45			
Cys	Ile	Leu	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala
	50					55				60					
Asn	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Phe	Ser	Thr	Ser	Cys	Ile	Pro	Gln
65					70					75				80	
Met	Leu	Val	Asn	Leu	Trp	Gly	Pro	Asp	Lys	Thr	Ile	Ser	Tyr	Ala	Gly
			85					90						95	
Cys	Val	Val	Gln	Leu	Phe	Ser	Phe	Leu	Ser	Ile	Gly	Ser	Val	Glu	Cys
			100					105					110		
Ile	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Lys
	115						120					125			
Pro	Leu	His	Tyr	Met	Val	Ile	Met	His	Pro	Gln	Leu	Cys	Val	Arg	Leu
	130					135					140				
Met	Ala	Val	Ala	Trp	Gly	Val	Gly	Leu	Ala	Asn	Ala	Ile	Ile	Met	Ser
145					150					155				160	
Pro	Leu	Ala	Met	Thr	Leu	Ser	Arg	Cys	Gly	Arg	Arg	Arg	Ile	Asn	His
			165						170					175	
Phe	Leu	Cys	Glu	Met	Pro	Ala	Leu	Ile	Lys	Met	Ala	Cys	Val	Asp	Ala
			180					185					190		
Arg	Pro	Val	Glu	Met	Leu	Ser	Phe	Thr	Leu	Ala	Ile	Leu	Ile	Val	Leu
	195						200					205			
Leu	Pro	Leu	Thr	Leu	Ile	Leu	Val	Ser	Tyr	Gly	Tyr	Ile	Ala	Ala	Ala
	210					215					220				
Val	Leu	Arg	Ile	Lys	Ser	Ala	Ala	Gly	Arg	Trp	Lys	Ala	Phe	Asn	Thr
225					230					235				240	
Cys	Ser	Ser	His	Leu	Thr	Val	Val	Ser	Leu	Phe	Tyr	Gly	Ser	Ile	Ile
			245						250					255	
Tyr	Met	Tyr	Met	Gln	Pro	Gly	Asn	Ser	Ser	Ser	Gln	Asp	Gln	Gly	Lys
		260						265				270			
Phe	Leu	Thr	Leu	Phe	Tyr	Asn	Leu	Val	Thr	Pro	Met	Leu	Asn	Pro	Leu

	275		280		285
Ile	Tyr Thr Leu Arg Asn Lys	Glu Met Lys Gly Ala	Leu Lys Lys Val		
	290	295	300		
Cys Gly Arg His					
305					

<210> 1690
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1690

Met	Gly	Ile	Leu	Lys	Asp	Gly	Asn	His	Thr	Ala	Val	Thr	Glu	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Lys	Val	Val	Leu	Phe	Thr
			20					25					30		
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Ser	Gly	Asn	Leu	Ser	Thr
		35					40					45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	His	Leu	Ala	Ser	Val	Asp	Ile	Gly	Ile	Ser	Ser	Ser	Val
65				70						75					80
Thr	Pro	Asn	Met	Leu	Val	Asn	Phe	Leu	Leu	Glu	Arg	Ser	Thr	Ile	Ser
			85						90					95	
Tyr	Leu	Gly	Cys	Gly	Ile	Gln	Leu	Gly	Ser	Gly	Ala	Phe	Phe	Gly	Ser
			100					105						110	
Thr	Glu	Ser	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	His	Phe	Met	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Thr	Gln	Val	Cys
	130					135					140				
Ile	Gln	Leu	Leu	Val	Gly	Ser	Tyr	Ile	Gly	Gly	Phe	Leu	Asn	Ala	Ser
145				150						155					160
Ser	Phe	Ile	Leu	Ser	Phe	Phe	Ser	Phe	Leu	Phe	Cys	Gly	Pro	Asn	Lys
			165						170					175	
Val	Asn	His	Phe	Phe	Cys	Asp	Phe	Thr	Pro	Leu	Val	Glu	Leu	Ser	Cys
		180						185					190		
Ser	Asp	Asn	Ser	Val	Leu	Leu	Ile	Leu	Asp	Ser	Phe	Ser	Ala	Gly	Ser
	195						200					205			
Ile	Ile	Val	Ile	Thr	Val	Leu	Val	Ile	Ala	Ile	Ser	Tyr	Thr	Tyr	Ile
	210					215					220				
Leu	Ile	Thr	Ile	Leu	Lys	Met	His	Ser	Thr	Glu	Gly	Arg	His	Lys	Ala
225				230						235					240
Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Val	Phe	Tyr	Gly
			245						250					255	
Thr	Val	Thr	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Tyr	Ser	Thr	Asp
		260					265						270		
Gln	Asn	Lys	Val	Leu	Ser	Val	Phe	Tyr	Met	Ile	Ala	Ile	Ala	Ile	Pro
	275						280					285			
Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Ile	Lys	Asn
	290					295					300				
Ala	Leu	Lys	Arg	Gln	Leu	Ser	Lys	Lys	Thr	Phe	Ser				
305				310							315				

<210> 1691
 <211> 314

<212> PRT

<213> Mus musculus

<400> 1691

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Met Leu Met Gly Gly Ala Asn Leu Ser Val Val Ser Glu Phe Val Phe
 1          5          10          15
Leu Gly Leu Thr Asn Ser Trp Asp Ile Gln Leu Leu Leu Phe Val Phe
          20          25          30
Ser Ser Val Phe Tyr Val Ala Ser Met Met Gly Asn Ser Leu Ile Ile
          35          40          45
Phe Thr Val Ala Ser Asp Pro His Leu His Thr Pro Met Tyr Phe Leu
          50          55          60
Leu Ala Asn Leu Ser Phe Ile Asp Leu Gly Val Ser Ser Val Thr Ser
65          70          75          80
Pro Lys Met Ile Tyr Asp Leu Phe Arg Lys His Lys Val Ile Ser Phe
          85          90          95
Thr Gly Cys Val Ile Gln Ile Phe Ser Ile His Val Ile Gly Gly Val
          100          105          110
Glu Met Val Leu Leu Ile Ala Met Ala Phe Asp Arg Tyr Val Ala Ile
          115          120          125
Cys Lys Pro Leu His Tyr Leu Thr Ile Leu Ser Pro Arg Met Cys Leu
          130          135          140
Phe Phe Val Val Ile Ala Trp Ile Val Gly Leu Ile His Ser Leu Ala
145          150          155          160
Gln Leu Val Phe Val Ile Asn Leu Pro Phe Cys Gly Pro Asn Val Leu
          165          170          175
Asp Ser Phe Tyr Cys Asp Leu Pro Arg Phe Ile Lys Leu Ala Cys Val
          180          185          190
Asp Thr His Lys Leu Glu Phe Met Val Thr Ala Asn Ser Gly Phe Ile
          195          200          205
Ser Val Gly Ser Phe Phe Ile Leu Ile Val Ser Tyr Ile Val Ile Ile
          210          215          220
Ile Ser Val Gln Lys His Ser Ser Gly Gly Phe Ser Lys Ala Leu Ser
225          230          235          240
Thr Leu Ser Ala His Ile Ser Val Val Val Leu Phe Phe Gly Pro Leu
          245          250          255
Ile Phe Val Tyr Thr Trp Pro Thr Pro Ser Val His Leu Asp Lys Phe
          260          265          270
Leu Ala Ile Phe Asp Ala Val Ile Thr Pro Phe Leu Asn Pro Val Ile
          275          280          285
Tyr Thr Phe Arg Asn Gln Glu Met Lys Met Ala Met Lys Arg Val Phe
          290          295          300
Lys Gln Leu Leu Ser Tyr Arg Lys Ile Ser
305          310
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<210> 1692

<211> 314

<212> PRT

<213> Mus musculus

<400> 1692

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Met Ala Gly Arg Asn Tyr Thr Phe Val Thr Glu Phe Phe Leu Thr Ala
 1          5          10          15
Phe Thr Glu His Pro Glu Trp Gly Leu Pro Leu Phe Leu Leu Phe Leu
          20          25          30
Ser Phe Tyr Leu Ala Thr Leu Leu Gly Asn Thr Gly Met Ile Ile Leu
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Gln	Met	Val	Phe	Phe	Ile	Gly	Leu	Gly	Ser	Ala	Asp	Cys	Phe	Leu	Leu
	115						120					125			
Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His	Pro	Leu	Gln
	130						135					140			
Tyr	Pro	Leu	Ile	Met	Thr	Val	Thr	Leu	Cys	Val	Arg	Leu	Val	Leu	Ala
145						150					155				160
Ser	Val	Val	Ile	Gly	Leu	Val	Leu	Ser	Leu	Gln	Leu	Val	Val	Phe	Ile
				165						170					175
Phe	Cys	Leu	Pro	Phe	Cys	Gln	Asp	Arg	Gly	Ile	Glu	His	Phe	Phe	Cys
			180						185					190	
Asp	Val	Pro	Pro	Val	Met	Arg	Leu	Val	Cys	Ala	Thr	Ser	His	Ile	His
		195					200						205		
Glu	Leu	Ser	Val	Leu	Val	Ala	Ala	Ala	Leu	Ala	Ile	Ala	Val	Pro	Phe
	210						215					220			
Phe	Phe	Ile	Ala	Thr	Thr	Tyr	Ala	Leu	Ile	Val	Ala	Ala	Val	Leu	Lys
225						230					235				240
Leu	His	Ser	Ala	Ala	Gly	Arg	His	Arg	Ala	Phe	Asn	Thr	Cys	Ser	Ser
					245					250				255	
His	Leu	Thr	Val	Val	Leu	Leu	Gln	Tyr	Gly	Cys	Cys	Ala	Phe	Met	Tyr
			260						265					270	
Leu	Arg	Pro	Asn	Ser	Ser	Tyr	His	Pro	Lys	Lys	Asp	Gln	Phe	Ile	Ser
		275					280						285		
Leu	Val	Tyr	Thr	Leu	Gly	Thr	Pro	Phe	Leu	Asn	Pro	Leu	Ile	Tyr	Thr
	290					295					300				
Leu	Arg	Asn	Asn	Glu	Met	Lys	Gly	Ala	Ile	Glu	Lys	Val	Leu	Thr	Arg
305					310					315					320
Asn	Tyr	Phe	Ser	Gln	Lys	Asn	Ile	Gln							
				325											

<210> 1694
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1694

Met	Ala	Phe	Leu	Glu	Asp	Gly	Asn	His	Thr	Ala	Val	Thr	Gly	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Arg	Val	Val	Leu	Phe	Val
			20					25					30		
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Ser	Gly	Asn	Leu	Ser	Thr
		35					40					45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	His	Leu	Ala	Ser	Ala	Asp	Ile	Gly	Tyr	Ser	Ser	Ser	Val
65					70					75					80
Thr	Pro	Asn	Met	Leu	Val	Asn	Phe	Leu	Val	Glu	Arg	Asn	Thr	Ile	Ser
			85						90					95	
Tyr	Leu	Gly	Cys	Gly	Ile	Gln	Leu	Gly	Ser	Ala	Val	Phe	Phe	Gly	Thr
			100					105					110		
Val	Glu	Cys	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Ile	Ala
		115					120					125			
Ile	Cys	Ser	Pro	Leu	Leu	Tyr	Ser	Asn	Lys	Met	Ser	Thr	Gln	Val	Cys
	130					135					140				
Val	Gln	Leu	Leu	Val	Gly	Ser	Tyr	Ile	Gly	Gly	Phe	Leu	Asn	Ala	Ser
145					150					155					160
Ser	Phe	Thr	Leu	Ser	Phe	Phe	Ser	Leu	Val	Phe	Cys	Gly	Pro	Asn	Arg

Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Tyr	Tyr	Gly
				245					250					255	
Thr	Ile	Thr	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Phe	Ser	Thr	Asp
			260					265					270		
Gln	Asn	Lys	Val	Val	Ser	Val	Phe	Tyr	Met	Val	Met	Ile	Pro	Met	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Ile	Lys	Gly	Ala	Ile
	290					295					300				
Lys	Arg	Gln	Leu	Gly	Lys	Lys	Met	Ser	Cys						
305					310										

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 <212> PRT
 <213> Mus musculus

<400> 1696

Met	Ala	Phe	Leu	Gln	Asp	Gly	Asn	His	Thr	Ala	Val	Thr	Glu	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Thr	Asp	Gly	Pro	Ile	Leu	Arg	Val	Ile	Leu	Phe	Thr
			20					25					30		
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Ser	Gly	Asn	Leu	Ser	Thr
		35					40					45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	His	Leu	Ala	Ser	Val	Asp	Met	Gly	Leu	Ser	Ser	Ser	Val
65					70					75					80
Thr	Pro	Asn	Met	Leu	Val	Asn	Phe	Leu	Val	Lys	Gln	Asn	Thr	Ile	Ser
			85						90					95	
Tyr	Ile	Ala	Cys	Ser	Ile	Gln	Phe	Gly	Leu	Ala	Ala	Phe	Phe	Gly	Thr
			100					105					110		
Val	Glu	Cys	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Ile	Ser	Thr	Glu	Ser	Cys
	130					135					140				
Ile	Gln	Leu	Val	Val	Gly	Ser	Tyr	Ile	Gly	Gly	Phe	Leu	Asn	Ala	Ser
145					150					155					160
Ser	Phe	Ile	Leu	Ser	Phe	Phe	Ser	Phe	Ile	Phe	Cys	Gly	Pro	Asn	Arg
			165						170					175	
Ile	Asn	His	Phe	Tyr	Cys	Asp	Leu	Ala	Pro	Leu	Val	Glu	Leu	Ser	Cys
			180					185					190		
Ser	Asp	Val	Ser	Val	Ser	Val	Val	Val	Thr	Ser	Phe	Ser	Ala	Gly	Ser
	195							200				205			
Val	Thr	Val	Ile	Thr	Val	Phe	Val	Ile	Ala	Val	Ser	Tyr	Ser	Tyr	Ile
	210					215					220				
Leu	Ile	Thr	Ile	Leu	Lys	Met	His	Ser	Thr	Glu	Gly	Arg	His	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Tyr	Tyr	Gly
			245						250					255	
Thr	Ile	Thr	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Tyr	Ser	Thr	Asp
			260					265					270		
Gln	Asn	Lys	Val	Val	Ser	Val	Phe	Tyr	Met	Val	Val	Ile	Pro	Met	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Ile	Lys	Gly	Ala	Ile
	290					295					300				
Lys	Arg	Gln	Leu	Gly	Lys	Lys	Met	Phe	Cys						

305

310

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<212> PRT

<213> Mus musculus

<400> 1697

Met	Glu	Pro	Gly	Asn	His	Thr	Ala	Val	Thr	Lys	Phe	Ile	Leu	Leu	Gly
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Leu	Thr	Asp	Asp	Pro	Thr	Leu	Cys	Val	Ile	Phe	Phe	Val	Phe	Phe	Leu
		20						25					30		
Gly	Ile	Tyr	Ile	Val	Thr	Leu	Val	Gly	Asn	Ile	Ser	Ile	Ile	Asn	Leu
		35					40					45			
Val	Arg	Ser	Cys	Pro	Gln	Leu	Gln	Thr	Pro	Met	Tyr	Met	Phe	Leu	Ser
	50					55					60				
His	Leu	Ala	Phe	Val	Asp	Ile	Gly	Tyr	Ser	Thr	Ser	Val	Thr	Pro	Ile
65					70					75					80
Met	Leu	Ile	Gly	Phe	Ile	Val	His	Glu	Thr	Gly	Leu	Pro	Val	His	Ala
			85						90					95	
Cys	Glu	Ala	Gln	Leu	Cys	Ser	Val	Val	Thr	Phe	Gly	Thr	Ala	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ser
		115					120					125			
Pro	Leu	Leu	Tyr	Ser	Thr	His	Met	Ser	Ser	Gln	Ile	Cys	Leu	Leu	Leu
	130					135					140				
Val	Gly	Ala	Ser	Tyr	Val	Gly	Gly	Cys	Val	Asn	Ala	Trp	Thr	Phe	Thr
145					150					155					160
Gly	Cys	Leu	Leu	Ser	Leu	Ser	Phe	Cys	Gly	Pro	Asn	Lys	Ile	Asp	His
			165						170					175	
Phe	Phe	Cys	Asp	Phe	Ser	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Val
			180					185					190		
Ser	Ile	Ile	Gly	Ile	Ile	Pro	Ser	Ile	Ser	Ala	Gly	Ser	Ile	Ile	Val
	195					200						205			
Val	Thr	Val	Phe	Val	Ile	Ser	Val	Ser	Tyr	Ile	Tyr	Ile	Leu	Ile	Thr
	210					215					220				
Ile	Leu	Lys	Met	Arg	Ser	Thr	Glu	Gly	Arg	His	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Tyr	Tyr	Gly	Thr	Ile	Thr
			245						250					255	
Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Tyr	Ser	Thr	Lys	Gln	Asn	Arg
			260					265					270		
Val	Val	Ser	Leu	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Val	Lys	Glu	Ala	Leu	Arg	Lys	Ala
	290					295					300				
Thr	Leu	Arg	Ile	Tyr	Ser										
305					310										

<210> 1698

<211> 315

<212> PRT

<213> Mus musculus

<400> 1698

Met	Ala	Phe	Leu	Gln	Asp	Gly	Asn	His	Thr	Ala	Val	Thr	Glu	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Arg	Val	Val	Leu	Phe	Thr
		20						25					30		
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Phe	Gly	Asn	Leu	Ser	Thr
		35					40					45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	His	Leu	Ala	Ser	Val	Asp	Ile	Gly	Ile	Ser	Ser	Ser	Val
65					70					75					80
Thr	Pro	Ser	Met	Leu	Val	Asn	Phe	Leu	Leu	Glu	Arg	Ser	Thr	Ile	Ser
				85					90					95	
Tyr	Leu	Gly	Cys	Gly	Ile	Gln	Leu	Gly	Ser	Ala	Asp	Phe	Ile	Ala	Ser
			100					105					110		
Val	Glu	Cys	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Met	Ala
		115					120					125			
Val	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Thr	Gln	Val	Cys
	130					135					140				
Val	Gln	Leu	Val	Val	Gly	Ser	Tyr	Ile	Gly	Gly	Phe	Leu	Asn	Ala	Ser
145					150					155					160
Leu	Ile	Val	Thr	Val	Tyr	Phe	Phe	Ser	Phe	Leu	Phe	Cys	Gly	Pro	Asn
				165					170					175	
Arg	Ile	Asp	His	Phe	Phe	Cys	Asp	Phe	Ala	Pro	Leu	Ala	Glu	Leu	Ser
			180					185					190		
Cys	Ser	Asp	Val	Ser	Val	Ser	Val	Leu	Ile	Ile	Ser	Phe	Ser	Ala	Gly
		195					200					205			
Ser	Val	Thr	Met	Ile	Thr	Val	Phe	Val	Ile	Val	Ile	Ser	Tyr	Ser	Tyr
	210					215					220				
Ile	Leu	Ile	Thr	Ile	Leu	Lys	Met	His	Ser	Thr	Glu	Gly	Arg	His	Lys
225					230					235					240
Ala	Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Tyr	Tyr
				245					250					255	
Gly	Thr	Ile	Thr	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Phe	Ser	Thr
			260					265					270		
Asp	Gln	Asn	Lys	Val	Val	Ser	Val	Phe	Tyr	Met	Val	Met	Ile	Pro	Met
		275					280					285			
Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Ser	Asn	Asn	Glu	Ile	Lys	Gly	Ala
	290					295					300				
Leu	Lys	Arg	Gln	Leu	Gly	Met	Lys	Thr	Leu	Ser					
305					310					315					

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 <212> PRT
 <213> Mus musculus

<400> 1699
 Met Ala Phe Gln Glu Asp Gly Asn His Thr Ala Val Thr Glu Phe Val
 1 5 10 15
 Leu Phe Gly Leu Thr Asp Asp Pro Val Leu Arg Val Ile Leu Phe Ile
 20 25 30
 Ile Phe Leu Cys Ile Tyr Leu Val Thr Val Ser Gly Asn Leu Ser Thr
 35 40 45
 Ile Leu Leu Ile Arg Val Ser Ser Gln Leu His His Pro Met Tyr Phe
 50 55 60
 Phe Leu Ser His Leu Ala Phe Ala Asp Ile Gly Tyr Ser Ser Ser Val

65					70				75				80		
Thr	Pro	Asn	Met	Leu	Val	Asn	Phe	Leu	Val	Glu	Arg	His	Thr	Ile	Ser
				85					90					95	
Tyr	Ile	Gly	Cys	Ala	Ile	Gln	Leu	Gly	Ser	Val	Val	Phe	Phe	Gly	Ser
			100					105					110		
Ser	Glu	Cys	Phe	Ile	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Met	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Thr	Gln	Val	Cys
	130					135					140				
Val	Gln	Leu	Leu	Leu	Ile	Ala	Tyr	Ile	Gly	Gly	Phe	Leu	Asn	Thr	Trp
145					150					155					160
Ser	Phe	Thr	Ile	Cys	Phe	Tyr	Ser	Leu	Val	Phe	Cys	Gly	Pro	Asn	Gly
				165					170					175	
Val	Asn	His	Phe	Phe	Cys	Asp	Phe	Ala	Pro	Leu	Ile	Glu	Leu	Ser	Cys
			180					185					190		
Ser	Asp	Val	Ser	Val	Pro	Ala	Thr	Val	Pro	Ser	Phe	Thr	Ala	Gly	Ser
	195					200						205			
Ile	Ile	Val	Val	Thr	Val	Ile	Val	Ile	Ala	Ile	Ser	Tyr	Ile	Tyr	Ile
	210				215						220				
Leu	Ile	Thr	Ile	Leu	Lys	Met	His	Ser	Thr	Glu	Gly	Arg	Gln	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly
			245						250					255	
Thr	Ile	Thr	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Phe	Ser	Thr	Asp
			260					265					270		
Gln	Asn	Lys	Val	Val	Ser	Val	Phe	Tyr	Met	Val	Val	Ile	Pro	Met	Leu
	275					280						285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Ile	Lys	Gly	Ala	Leu
	290					295					300				
Lys	Arg	Gln	Ile	Gly	Arg	Lys	Ile	Phe	Ser						
305					310										

<210> 1700
 <211> 323
 <212> PRT
 <213> Mus musculus

<400> 1700

Met	Ala	Phe	Leu	Glu	Asp	Gly	Asn	His	Thr	Ala	Val	Thr	Glu	Phe	Ile
1			5						10					15	
Leu	Val	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Lys	Val	Ile	Leu	Phe	Thr
		20					25						30		
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Ser	Gly	Asn	Leu	Ser	Thr
	35					40						45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	His	Leu	Ala	Ser	Val	Asp	Leu	Gly	Tyr	Ser	Ser	Ser	Val
65					70				75						80
Thr	Pro	Asn	Met	Leu	Ile	Asn	Phe	Leu	Ala	Glu	Asn	Asn	Thr	Ile	Ser
			85					90						95	
Tyr	Ile	Gly	Cys	Ser	Ile	Gln	Phe	Gly	Ser	Ala	Thr	Phe	Phe	Gly	Val
		100						105					110		
Leu	Glu	Cys	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala
		115				120						125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Ile	Lys	Met	Ser	Thr	Gln	Val	Cys
	130					135					140				

Val	Lys	Leu	Val	Val	Gly	Ser	Tyr	Ile	Gly	Ser	Ser	Leu	Asn	Ala	Ser
145					150					155					160
Phe	Val	Thr	Val	Ser	Ile	Phe	Asn	Leu	Leu	Phe	Cys	Gly	Pro	Asn	Lys
				165					170						175
Ile	Asn	His	Phe	Cys	Asp	Phe	Asp	Pro	Leu	Ile	Glu	Leu	Ser	Cys	
			180				185					190			
Ser	Asp	Val	Ser	Val	Pro	Val	Ala	Val	Thr	Ser	Cys	Ser	Ala	Gly	Leu
		195				200						205			
Ile	Thr	Met	Ile	Thr	Val	Phe	Val	Ile	Ala	Val	Ser	Tyr	Thr	Tyr	Ile
	210					215					220				
Leu	Ile	Thr	Val	Leu	Lys	Met	Arg	Ser	Thr	Glu	Gly	Arg	His	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly
				245					250						255
Thr	Val	Thr	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Asn	Tyr	Ser	Thr	Asp
			260				265						270		
Gln	Asn	Lys	Val	Val	Ser	Val	Phe	Tyr	Met	Val	Val	Ile	Pro	Met	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Ile	Lys	Gly	Ala	Leu
	290					295					300				
Lys	Arg	Gln	Leu	Gly	Lys	Lys	Ile	Phe	Ser	Gln	Ser	Asn	Ile	Leu	Phe
305					310					315					320
Cys	Lys	Ser													

<210> 1701
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1701

Met	Ala	Phe	Leu	Asp	Asn	Gly	Asn	His	Thr	Ala	Val	Thr	Glu	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Phe	Leu	Arg	Ile	Val	Leu	Phe	Ser
		20					25						30		
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Phe	Gly	Asn	Leu	Ser	Thr
		35				40						45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe	
	50				55					60					
Phe	Leu	Ser	His	Leu	Ala	Thr	Val	Asp	Leu	Gly	Ile	Ser	Ser	Ser	Val
65				70					75						80
Thr	Pro	Ser	Met	Leu	Val	Asn	Phe	Leu	Ala	Glu	Arg	Ser	Thr	Ile	Ser
			85						90					95	
Tyr	Leu	Gly	Cys	Gly	Ile	Gln	Leu	Ser	Ser	Ala	Ala	Leu	Phe	Gly	Thr
		100					105						110		
Leu	Glu	Cys	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Met	Ala
		115				120						125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Leu	Ser	Thr	Arg	Phe	Cys
	130					135					140				
Ile	Gln	Leu	Val	Val	Gly	Ser	Tyr	Ile	Gly	Ala	Phe	Leu	Asn	Asp	Ser
145					150					155					160
Cys	Tyr	Ile	Leu	Ser	Phe	Ala	Phe	Phe	Leu	Phe	Cys	Gly	Pro	Asn	Lys
			165						170						175
Val	Asp	His	Phe	Phe	Cys	Asp	Leu	Ser	Pro	Met	Met	Glu	Leu	Ser	Cys
		180						185					190		
Ser	Asp	Ala	Ser	Val	Ser	Gly	Val	Val	Ile	Ser	Phe	Thr	Ala	Gly	Ser

Val	His	Ile	Leu	Leu	Ser	Thr	Ile	Tyr	Leu	Leu	Leu	Pro	Pro	Ala	Leu
		275					280					285			
Asn	Pro	Ile	Val	Tyr	Gly	Val	Lys	Thr	Lys	Glu	Ile	Arg	Lys	Trp	Val
	290					295					300				
Val	Gln	Ile	Phe	Val	Leu	Lys	Ser	Asn	Thr	Gln					
305					310					315					

<210> 1703
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 <212> PRT
 <213> Mus musculus

<400> 1703

Met	Lys	Asn	Ile	Thr	Glu	Ala	Thr	Phe	Phe	Val	Leu	Lys	Gly	Leu	Thr
1				5					10					15	
Asp	Asn	Asn	Glu	Leu	Gln	Ile	Ile	Leu	Phe	Phe	Leu	Phe	Leu	Ala	Ile
			20					25					30		
Tyr	Leu	Phe	Thr	Leu	Ile	Gly	Asn	Val	Gly	Leu	Ile	Ile	Leu	Val	Val
		35				40						45			
Gly	Asp	Pro	Gln	Leu	His	Asn	Pro	Met	Tyr	Cys	Phe	Leu	Ser	Ala	Leu
	50					55					60				
Ser	Phe	Val	Asp	Ala	Cys	Tyr	Ser	Ser	Asp	Ile	Thr	Pro	Asn	Met	Leu
65					70					75					80
Val	Gly	Phe	Met	Ser	Lys	Ser	Lys	Ile	Ile	Ser	Phe	Tyr	Gly	Cys	Ala
				85					90					95	
Thr	Gln	Met	Phe	Leu	Ala	Val	Thr	Phe	Gly	Thr	Thr	Glu	Cys	Phe	Leu
			100					105					110		
Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	His	Asp	Pro	Leu
		115					120					125			
Leu	Tyr	Ala	Val	Ser	Met	Ser	Pro	Arg	Val	Tyr	Leu	Pro	Leu	Ile	Ile
	130					135					140				
Ala	Ser	Tyr	Ala	Gly	Gly	Ile	Val	His	Ala	Ile	Ile	His	Thr	Val	Ala
145					150					155					160
Thr	Phe	Ser	Leu	Ser	Phe	Cys	Gln	Ser	Asn	Glu	Val	Lys	His	Ile	Phe
				165					170					175	
Cys	Asp	Ile	Pro	Pro	Leu	Leu	Ala	Ile	Ser	Cys	Ser	Glu	Thr	Tyr	Val
		180						185					190		
Asn	Glu	Leu	Leu	Phe	Phe	Phe	Val	Ser	Phe	Ile	Glu	Leu	Val	Thr	
	195					200					205				
Ile	Leu	Ile	Ile	Leu	Phe	Ser	Tyr	Ala	Phe	Ile	Leu	Leu	Ser	Ile	Leu
	210					215					220				
Lys	Met	Asn	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Val	Phe	Ser	Thr	Cys	Gly
225					230					235					240
Ser	His	Leu	Thr	Ala	Val	Ser	Ile	Cys	Tyr	Gly	Thr	Ser	Leu	Phe	Met
				245					250					255	
Tyr	Val	Arg	Pro	Ser	Ser	Asn	Tyr	Ser	Leu	Glu	His	Asp	Met	Ile	Val
		260					265						270		
Ser	Thr	Phe	Tyr	Thr	Ile	Gly	Ile	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr
	275					280						285			
Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Ile	Lys	Arg	Val	Leu	Arg
	290					295					300				
Lys	Asn	Phe	Ile												
305															

<210> 1704

<211> 319
 <212> PRT
 <213> Mus musculus

<400> 1704

Met	Lys	Asn	Gln	Ser	Val	Glu	Ile	Ile	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Asp	Asp	Pro	Gln	Leu	Gln	Ile	Pro	Ile	Phe	Leu	Phe	Leu	Phe	Phe	Asn
			20					25					30		
Tyr	Ile	Leu	Ser	Leu	Met	Gly	Asn	Leu	Val	Ile	Ile	Leu	Leu	Thr	Leu
		35					40					45			
Leu	Asp	Pro	Arg	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50					55					60				
Ser	Phe	Leu	Glu	Ile	Ala	Phe	Thr	Thr	Ala	Cys	Ile	Pro	Arg	Phe	Leu
65					70					75					80
Met	Ser	Ile	Leu	Thr	Gly	Asp	Arg	Thr	Ile	Ser	Tyr	Asn	Ala	Cys	Ala
				85					90					95	
Ala	Gln	Leu	Phe	Phe	Phe	Phe	Leu	Ser	Leu	Ile	Thr	Glu	Phe	Tyr	Leu
			100					105					110		
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	Arg	Pro	Leu
		115					120					125			
His	Tyr	Pro	Ile	Ile	Met	Asn	Ser	Lys	Val	Cys	His	Leu	Leu	Val	Leu
	130					135					140				
Ser	Ser	Trp	Val	Thr	Gly	Phe	Phe	Val	Ile	Phe	Pro	Pro	Leu	Leu	Leu
145					150					155					160
Gly	Leu	Lys	Leu	Asp	Phe	Cys	Ala	Ser	Lys	Thr	Ile	Asp	His	Phe	Leu
			165						170					175	
Cys	Asp	Thr	Ser	Pro	Val	Leu	Gln	Leu	Ser	Cys	Thr	Asp	Thr	Arg	Phe
			180					185					190		
Ile	Glu	Leu	Met	Ala	Phe	Ala	Leu	Ala	Val	Met	Thr	Leu	Ile	Ile	Thr
	195						200					205			
Leu	Ile	Leu	Val	Ile	Leu	Ser	Tyr	Thr	Leu	Ile	Ile	Lys	Thr	Ile	Leu
	210					215					220				
Lys	Phe	Pro	Ser	Ala	Gln	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Met	Val	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Met
			245						250					255	
Tyr	Met	Lys	Thr	Ser	Ala	Lys	Glu	Arg	Val	Ser	Leu	Asn	Lys	Gly	Val
			260					265					270		
Ala	Val	Leu	Asn	Thr	Ser	Val	Ala	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Thr	Leu	Arg	Asn	Gln	Gln	Val	Lys	Asp	Ala	Phe	Lys	Gln	Val	Leu	His
	290					295					300				
Arg	Met	Cys	Tyr	Ser	Gln	Asn	Ser	Glu	Leu	Arg	Phe	Arg	Pro	Lys	
305					310					315					

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 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1705

Met	Arg	Asn	Arg	Thr	Val	Thr	Thr	Phe	Ile	Leu	Leu	Gly	Leu	Thr	Asp
1				5				10						15	
Asp	Ile	Arg	Leu	Gln	Ile	Leu	Leu	Phe	Ile	Phe	Leu	Leu	Ser	Ser	Tyr
			20					25					30		

Met	Leu	Ser	Leu	Ser	Gly	Asn	Leu	Thr	Ile	Ile	Thr	Leu	Thr	Leu	Ile
	35					40					45				
Asp	Pro	His	Leu	Lys	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Lys	Asn	Phe	Ser
	50					55				60					
Phe	Leu	Glu	Ile	Ser	Leu	Thr	Thr	Ala	Cys	Ile	Pro	Arg	Phe	Leu	Tyr
65					70				75					80	
Ser	Ile	Ser	Ser	Gly	Asp	Lys	Ser	Ile	Thr	Tyr	Ile	Ala	Cys	Ala	Ser
				85					90				95		
Gln	Leu	Leu	Phe	Ile	Asp	Leu	Phe	Ala	Val	Thr	Glu	Phe	Phe	Leu	Leu
			100					105					110		
Ala	Ile	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His
	115					120					125				
Tyr	Met	Thr	Ile	Met	Asn	Ser	Arg	Val	Cys	Lys	Asn	Phe	Ile	Phe	Ser
	130				135						140				
Cys	Trp	Val	Ala	Ala	Leu	Ile	Ile	Ile	Leu	Pro	Pro	Ile	Gly	Leu	Gly
145					150				155					160	
Leu	Gly	Leu	Glu	Phe	Cys	Asp	Ser	Asp	Ile	Ile	Asp	His	Phe	Cys	Cys
				165				170					175		
Asp	Ala	Ala	Pro	Leu	Leu	Lys	Ile	Ser	Cys	Ser	Asp	Thr	Trp	Leu	Ile
			180					185					190		
Glu	Gln	Met	Val	Ile	Ala	Gly	Ala	Val	Leu	Thr	Phe	Ile	Ile	Thr	Phe
	195					200					205				
Val	Cys	Val	Val	Leu	Ser	Tyr	Val	Tyr	Ile	Ile	Lys	Thr	Ile	Leu	Arg
	210				215						220				
Phe	Pro	Ser	Ala	Lys	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser
225					230				235					240	
His	Met	Ile	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Ile	Tyr
				245				250					255		
Val	Lys	Pro	Ser	Ser	Lys	Asp	Asp	Val	Ala	Ile	Asn	Lys	Gly	Ile	Ser
			260					265					270		
Leu	Leu	Ile	Ile	Ser	Ile	Ser	Pro	Met	Met	Asn	Pro	Phe	Ile	Tyr	Ala
	275					280					285				
Leu	Arg	Asn	Lys	Gln	Val	Lys	Gln	Ala	Phe	Asn	Tyr	Ser	Ile	Lys	Lys
	290				295						300				
Ile	Ala	Phe	Leu	Ser	Lys	Met									
305					310										

<210> 1706
 <211> 299
 <212> PRT
 <213> Mus musculus

<400> 1706

Met	Lys	Asn	His	Ser	Val	Ile	Thr	Glu	Phe	Leu	Leu	Leu	Gly	Ile	Ser
1				5					10					15	
Asp	Thr	Pro	Glu	Leu	Gln	Phe	Val	Ile	Phe	Ile	Phe	Leu	Phe	Ile	Ala
			20					25					30		
Tyr	Ile	Leu	Ser	Val	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Ile	Leu	Thr	Leu
	35					40						45			
Leu	Asp	Ser	Gln	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50				55					60					
Ser	Phe	Leu	Glu	Ile	Ile	Phe	Thr	Ser	Val	Ser	Ile	Pro	Arg	Phe	Leu
65					70				75					80	
Glu	Ser	Ile	Ile	Thr	Lys	Val	Lys	Thr	Ile	Ser	Tyr	Asn	Asn	Cys	Leu
			85					90					95		
Ala	Gln	Leu	Phe	Phe	Phe	Ile	Ser	Met	Gly	Val	Ser	Glu	Phe	Phe	Leu

Ser	Thr	Thr	Val	Asn	Ser	Ile	Phe	Gly	Leu	Phe	Val	Val	Leu	Ser	Thr
	195						200					205			
Leu	Gly	Leu	Asp	Phe	Leu	Leu	Ile	Leu	Leu	Ser	Tyr	Ala	Leu	Ile	Leu
	210					215					220				
Lys	Thr	Val	Leu	Asn	Met	Ala	Ser	His	Ser	Gly	Arg	Leu	Lys	Ala	Leu
225					230					235					240
Asn	Thr	Cys	Ile	Ser	His	Leu	Cys	Ala	Val	Val	Leu	Phe	Phe	Thr	Pro
			245						250					255	
Met	Ile	Cys	Leu	Ser	Met	Leu	His	Arg	Phe	Gly	Pro	Arg	Leu	Pro	Ser
		260						265					270		
His	Val	Tyr	Val	Thr	Leu	Ala	Asn	Met	His	Phe	Leu	Ile	Pro	Pro	Val
	275						280					285			
Met	Asn	Pro	Ile	Val	Tyr	Val	Val	Lys	Thr	Lys	Gln	Ile	Arg	Asp	Lys
	290					295					300				
Ile	Gln	Lys	Leu	Phe	Ile	Arg	Lys	Ala	Thr	Lys	Lys	Ala	Gln	Ala	Ala
305					310					315					320
Ser	Ile	Thr													

<210> 1708
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1708

Met	Gly	Gln	Asn	Asp	Ser	Ser	Val	Val	Glu	Phe	Ile	Leu	Leu	Gly	Phe
1				5					10					15	
Ser	His	Phe	Pro	Glu	Leu	Gln	Val	His	Met	Phe	Gly	Ala	Phe	Leu	Val
			20					25					30		
Ile	Tyr	Leu	Val	Thr	Leu	Thr	Gly	Asn	Ala	Thr	Ile	Val	Thr	Val	Ile
	35					40					45				
Phe	Leu	Asp	His	Ser	Leu	His	Ile	Pro	Met	Tyr	Leu	Phe	Leu	Gln	Asn
	50				55					60					
Leu	Ser	Val	Val	Glu	Ala	Ser	Phe	Ser	Thr	Thr	Val	Met	Pro	Glu	Met
65				70					75					80	
Leu	Val	Val	Leu	Thr	Ser	Glu	Lys	Ala	Thr	Ile	Ser	Phe	Gly	Gly	Cys
			85					90					95		
Phe	Ala	Gln	Thr	Tyr	Phe	Ile	Leu	Leu	Phe	Gly	Gly	Thr	Glu	Cys	Phe
	100						105						110		
Leu	Leu	Gly	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Ala	Ala	Ile	Cys	Tyr	Pro
	115					120						125			
Leu	Thr	Tyr	Pro	Met	Ile	Met	Ser	Lys	Arg	Ile	Phe	Val	Lys	Leu	Val
	130				135						140				
Val	Cys	Ser	Trp	Val	Leu	Gly	Ile	Met	Thr	Ala	Thr	Val	Ser	Val	Thr
145				150					155						160
Trp	Val	Phe	Ser	Phe	Pro	Phe	Cys	Gly	Pro	Ser	Lys	Ile	Asn	His	Ile
			165					170					175		
Ser	Cys	Glu	Val	Pro	Ala	Val	Leu	Glu	Leu	Ala	Cys	Ala	Asp	Thr	Phe
		180					185						190		
Leu	Phe	Glu	Val	Tyr	Ser	Phe	Thr	Gly	Thr	Ile	Leu	Leu	Val	Leu	Val
	195						200					205			
Pro	Phe	Leu	Leu	Ile	Leu	Leu	Ser	Tyr	Thr	Gln	Ile	Leu	Phe	Thr	Val
	210				215						220				
Leu	Arg	Met	Pro	Ser	Thr	Thr	Gly	Arg	Gln	Lys	Ala	Phe	Ser	Thr	Cys
225				230						235					240
Ala	Ser	His	Leu	Thr	Ser	Val	Thr	Leu	Phe	Tyr	Ser	Thr	Ala	Cys	Met

[illegible]

<400> 1709															
Met 1	Arg	Arg	Gln	Asn 5	His	Asn	Ser	Thr	Val 10	Glu	Phe	Ile	Leu 15	Leu	Gly
Phe	Ser	Asn	Tyr 20	Pro	Glu	Leu	Gln	Gly 25	Gln	Met	Phe	Gly	Ala 30	Phe	Leu
Val	Ile	Tyr 35	Leu	Val	Thr	Val	Leu 40	Gly	Asn	Ala	Ile	Ile 45	Ile	Thr	Ile
Ile 50	Phe	Leu	Asp	Gln	Ser	Leu 55	His	Ile	Pro	Met	Tyr 60	Leu	Phe	Leu	Gln
Asn 65	Leu	Ser	Leu	Val	Asp 70	Leu	Cys	Phe	Ser	Thr 75	Val	Ile	Thr	Pro	Glu
Ile	Leu	Val	Val	Leu 85	Thr	Ser	Glu	Lys	Ala 90	Thr	Ile	Ser	Phe	Gly 95	Gly
Cys	Phe	Val	Gln 100	Met	Tyr	Phe	Ile 105	Leu	Leu	Phe	Gly	Gly 110	Thr	Glu	Cys
Phe	Leu	Leu 115	Gly	Ala	Met	Ala	Tyr 120	Asp	Arg	Phe	Ala	Ala 125	Ile	Cys	His
Pro 130	Leu	Ser	Tyr	Pro	Val	Ile 135	Met	Asn	Lys	Ser	Val 140	Phe	Val	Lys	Leu
Val 145	Met	Phe	Ser	Trp 150	Val	Ser	Gly	Thr	Met	Met 155	Thr	Thr	Leu	Gln	Thr
Thr	Trp	Val	Phe	Ser 165	Phe	Pro	Tyr	Cys	Asp	His 170	Lys	Glu	Ile	Asn 175	His
Leu	Phe	Cys	Glu 180	Thr	Pro	Pro	Val	Leu 185	Glu	Leu	Ala	Cys	Ala 190	Asp	Thr
Phe	Leu	Phe 195	Glu	Val	Tyr	Ala	Phe 200	Thr	Gly	Thr	Ile	Leu 205	Ile	Val	Met
Val 210	Pro	Phe	Leu	Leu	Ile	Leu 215	Leu	Ser	Tyr	Thr	Arg 220	Ile	Leu	Phe	Ser
Ile 225	Leu	Arg	Met	Pro	Ser 230	Thr	Thr	Gly	Arg	Gln 235	Lys	Ala	Phe	Ser	Thr
Cys	Ala	Ser	His 245	Leu	Thr	Ser	Val	Thr	Leu	Phe 250	Tyr	Gly	Thr	Ala 255	Ser
Ile	Thr	Tyr 260	Leu	Gln	Pro	Lys	Ser 265	Arg	Tyr	Ser	Pro	Asp 270	Thr	Lys	Lys
Leu	Met	Ser 275	Leu	Ala	Tyr	Thr	Leu 280	Leu	Thr	Pro	Leu	Leu 285	Asn	Pro	Leu
Ile 290	Tyr	Ser	Leu	Arg	Asn	Lys 295	Glu	Met	Lys	Arg	Ala 300	Val	Val	Lys	Leu
Trp 305	Gln	Arg	Lys	Val	Thr 310	Leu	His	Thr	Gly						

<210> 1710
 <211> 326
 <212> PRT
 <213> Mus musculus

<400> 1710
 Met Ser Leu Arg Gln Thr Gln Gly Ser Asn Ile Val Met Arg Arg Gln
 1 5 10 15
 Asn His Ser Ser Thr Val Glu Phe Ile Leu Leu Arg Phe Ser Asn Tyr
 20 25 30
 Pro Glu Leu Gln Asp Gln Met Phe Gly Thr Phe Leu Val Ile Tyr Leu
 35 40 45
 Val Thr Val Met Gly Asn Ala Ile Ile Ile Thr Ile Ile Phe Leu Asp
 50 55 60
 Gln Ser Leu His Ile Pro Met Tyr Leu Phe Leu Gln Asn Leu Ser Leu
 65 70 75 80
 Val Asp Leu Cys Phe Ser Thr Val Ile Thr Pro Lys Met Leu Val Val
 85 90 95
 Leu Thr Ser Lys Lys Ala Thr Ile Ser Phe Gly Gly Cys Phe Ala Gln
 100 105 110
 Met Tyr Phe Ile Leu Phe Phe Gly Val Thr Glu Cys Phe Leu Leu Gly
 115 120 125
 Ala Met Ala Tyr Asp Arg Phe Ala Ala Ile Cys His Pro Leu Ser Tyr
 130 135 140
 Pro Met Ile Met Asn Lys Arg Val Phe Met Lys Leu Val Met Phe Ser
 145 150 155 160
 Trp Val Ser Gly Thr Met Met Ser Thr Leu Gln Thr Thr Trp Val Phe
 165 170 175
 Ser Phe Pro Tyr Cys Asp His Lys Glu Ile Asn His Leu Phe Cys Glu
 180 185 190
 Thr Pro Pro Val Leu Glu Leu Ala Cys Ala Asp Thr Phe Leu Phe Glu
 195 200 205
 Val Tyr Ala Phe Thr Gly Thr Ile Phe Ile Val Met Val Pro Phe Leu
 210 215 220
 Leu Ile Leu Leu Ser Tyr Thr Arg Ile Leu Phe Thr Ile Leu Arg Met
 225 230 235 240
 Pro Ser Thr Thr Gly Arg Gln Lys Ala Phe Ser Thr Cys Ala Ser His
 245 250 255
 Leu Thr Ser Val Thr Leu Phe Tyr Gly Thr Ala Ser Ile Ile Tyr Leu
 260 265 270
 Gln Pro Lys Ser Arg Tyr Ser Pro Asp Thr Lys Lys Leu Met Ser Leu
 275 280 285
 Ala Tyr Ile Leu Leu Thr Pro Leu Leu Asn Pro Leu Ile Tyr Ser Leu
 290 295 300
 Arg Asn Lys Glu Met Lys Arg Ala Val Leu Lys Leu Trp Gln Arg Lys
 305 310 315 320
 Val Ala Phe His Thr Ala
 325

<210> 1711
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1711

Met	Gly	Arg	Gly	Asn	Arg	Thr	Thr	Val	Thr	Glu	Phe	Val	Leu	Met	Gly
1				5					10					15	
Phe	Thr	Asp	Arg	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Val	Val	Phe	Leu
		20						25					30		
Ile	Leu	Ile	Thr	Leu	Val	Gly	Asn	Leu	Gly	Met	Ile	Leu	Leu	Ile	Lys
		35					40					45			
Ala	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Ser	His	Leu
	50					55					60				
Ala	Phe	Ile	Asp	Leu	Cys	Tyr	Ser	Ser	Ser	Ile	Gly	Pro	Lys	Met	Leu
65					70					75					80
Gln	Asn	Leu	Leu	Val	Lys	Lys	Lys	Thr	Ile	Ser	Phe	Ser	Gly	Cys	Phe
				85					90					95	
Ala	Gln	Leu	Tyr	Phe	Ser	Ser	Ala	Phe	Val	Thr	Thr	Glu	Cys	Phe	Leu
			100					105					110		
Leu	Ala	Thr	Met	Ala	Tyr	Asp	Arg	Tyr	Met	Ala	Ile	Cys	Asn	Pro	Leu
		115					120					125			
Thr	Tyr	Thr	Ala	Ile	Met	Thr	Gln	Arg	Val	Cys	Lys	Glu	Leu	Val	Ile
	130					135					140				
Gly	Val	Tyr	Thr	Tyr	Gly	Phe	Leu	Asn	Ser	Val	Ile	Gln	Thr	Val	Leu
145					150					155					160
Thr	Phe	Gln	Leu	Ser	Phe	Cys	Asn	Ser	Asn	Val	Ile	His	His	Phe	Tyr
			165						170					175	
Cys	Ala	Asp	Pro	Pro	Leu	Leu	Ala	Leu	Ser	Cys	Ser	Asp	Thr	His	Asn
			180					185					190		
Lys	Glu	Arg	Gln	Leu	Leu	Ile	Phe	Ser	Ala	Val	Asn	Leu	Thr	Gly	Ser
		195					200					205			
Leu	Met	Thr	Val	Leu	Ile	Ser	Tyr	Ile	Cys	Ile	Leu	Val	Ser	Ile	Ile
	210					215					220				
Lys	Ile	Glu	Pro	Ser	Gln	Gly	Lys	Cys	Lys	Ala	Phe	Ser	Thr	Cys	Ala
225					230					235					240
Ser	His	Leu	Thr	Val	Val	Thr	Ile	Phe	Tyr	Gly	Thr	Leu	Phe	Phe	Met
				245					250					255	
Tyr	Met	Arg	Gln	Pro	Lys	Thr	Gly	Ser	Ser	Trp	Lys	Tyr	Ser	Lys	Val
			260					265					270		
Ile	Ser	Val	Phe	Tyr	Ser	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Thr	Glu	Val	Lys	Asp	Thr	Leu	Lys	Lys	Met	Leu
	290					295					300				
Glu	Gly	Lys	Thr	Ser											
305															

<210> 1712

<211> 312

<212> PRT

<213> Mus musculus

<400> 1712

Met	Gly	Thr	Gly	Asn	Trp	Ser	Gln	Val	Ile	Glu	Phe	Ile	Ile	Leu	Gly
1				5					10					15	
Phe	Pro	His	Phe	Gln	Gly	Val	Gln	Ile	Tyr	Leu	Phe	Phe	Leu	Leu	Leu
			20					25					30		
Ser	Ile	Tyr	Leu	Thr	Thr	Ile	Leu	Gly	Asn	Leu	Leu	Ile	Phe	Leu	Val
		35					40					45			
Val	Tyr	Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Arg	Phe	Val	Ser
	50					55					60				

Ile	Leu	Ser	Phe	Leu	Glu	Leu	Gly	Tyr	Thr	Ala	Ala	Thr	Ile	Pro	Lys
65					70					75					80
Met	Leu	Ala	Asn	Leu	Ser	Glu	Lys	Lys	Thr	Ile	Ser	Phe	Ser	Gly	
			85					90					95		
Cys	Leu	Leu	Gln	Ile	Tyr	Phe	Phe	His	Ser	Leu	Gly	Ala	Thr	Glu	Cys
			100					105					110		
Tyr	Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Arg
			115					120					125		
Pro	Leu	His	Tyr	Pro	Thr	Leu	Met	Thr	Gln	Ser	Leu	Cys	Ile	Lys	Ile
			130				135					140			
Ala	Ile	Gly	Cys	Trp	Leu	Gly	Gly	Leu	Ala	Gly	Pro	Val	Val	Glu	Ile
145					150					155					160
Ser	Leu	Val	Ser	Arg	Leu	Pro	Phe	Cys	Gly	Pro	Asn	His	Ile	Gln	His
				165					170					175	
Ile	Phe	Cys	Asp	Phe	Pro	Pro	Val	Leu	Ser	Leu	Ala	Cys	Thr	Asp	Thr
			180					185					190		
Ser	Val	Asn	Val	Leu	Val	Asp	Phe	Ile	Ile	Asn	Ser	Cys	Lys	Ile	Leu
			195				200					205			
Ala	Thr	Phe	Leu	Leu	Ile	Leu	Ser	Ser	Tyr	Leu	Gln	Ile	Ile	Arg	Thr
			210				215				220				
Val	Leu	Lys	Ile	Pro	Ser	Ala	Ala	Gly	Lys	Lys	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Val	Val	Leu	Ile	Phe	Tyr	Gly	Ser	Ile	Leu
				245					250					255	
Phe	Met	Tyr	Val	Arg	Leu	Lys	Lys	Ser	Tyr	Ser	Leu	Asp	Tyr	Asp	Arg
			260					265					270		
Ala	Leu	Ala	Val	Val	Tyr	Ser	Val	Ile	Thr	Pro	Phe	Leu	Asn	Pro	Phe
			275				280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Ile	Lys	Glu	Ala	Leu	Lys	Arg	Gln
			290			295					300				
Leu	Met	Arg	Thr	Gly	Ile	Leu	Arg								
305					310										

<210> 1713
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1713															
Met	Arg	Ile	Asn	Arg	Ser	Thr	Ser	Val	Thr	Glu	Phe	Leu	Phe	Ser	Gly
1				5					10					15	
Phe	Pro	Gln	Phe	Glu	Asp	Gly	Ser	Phe	Leu	Phe	Phe	Ile	Pro	Leu	Phe
			20					25					30		
Phe	Ile	Tyr	Ile	Phe	Ile	Val	Ile	Gly	Asn	Leu	Ile	Val	Phe	Phe	Ala
			35				40					45			
Val	Arg	Met	Asp	Thr	Arg	Leu	His	Asn	Pro	Met	Tyr	Asn	Phe	Ile	Ser
			50				55				60				
Ile	Phe	Ser	Phe	Leu	Glu	Ile	Trp	Tyr	Thr	Thr	Ala	Thr	Ile	Pro	Lys
65					70					75					80
Met	Leu	Thr	Asn	Leu	Ile	Ser	Lys	Gln	Arg	Thr	Ile	Ser	Leu	Ile	Gly
				85					90					95	
Cys	Leu	Leu	Gln	Met	Tyr	Phe	Phe	His	Ser	Leu	Gly	Asn	Ser	Glu	Gly
			100					105					110		
Ile	Leu	Leu	Thr	Thr	Met	Ala	Ile	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
			115					120				125			
Pro	Leu	Arg	Tyr	Pro	Thr	Ile	Met	Thr	Pro	Arg	Leu	Cys	Ala	Gln	Leu

130		135		140
Ser Ala Gly Ser Cys Ile Phe Gly Phe Leu Val Leu Leu Pro Glu Ile				
145		150		155
Ala Trp Ile Ser Thr Leu Pro Phe Cys Gly Pro Asn Gln Ile His Gln				
	165		170	175
Ile Phe Cys Asp Phe Glu Pro Val Leu Arg Leu Ala Cys Thr Asp Thr				
	180		185	190
Ser Met Ile Leu Val Glu Asp Val Val His Ala Val Ala Ile Ile Phe				
	195	200		205
Ser Val Leu Val Ile Ala Ile Ser Tyr Met Arg Ile Ile Thr Val Ile				
	210	215		220
Leu Arg Ile Pro Ser Gly Glu Gly Arg Arg Lys Ala Phe Ser Thr Cys				
225		230		235
Ala Ala His Leu Gly Val Phe Leu Met Phe Tyr Gly Ser Val Ser Leu				
	245		250	255
Met Tyr Leu Arg Phe Ser Ala Thr Phe Pro Pro Ile Leu Asp Thr Ala				
	260		265	270
Ile Ala Leu Met Phe Ala Val Leu Ala Pro Phe Phe Asn Pro Ile Ile				
	275		280	285
Tyr Ser Leu Arg Asn Lys Asp Met Lys Ile Ala Ile Lys Lys Leu Leu				
	290	295		300
Cys Ser Gln Lys Met Leu Pro Thr Ser Ala Ser				
305		310		315

<210> 1714
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1714

Met Glu Asn Gly Asn Leu Ser Thr Val Thr Val Phe Val Phe Thr Gly	
1	5
Phe Pro Gln Leu Lys Asn Gly Gly Leu Leu Tyr Phe Phe Pro Leu Leu	
	20
Phe Ile Tyr Ile Phe Ile Val Thr Gly Asn Leu Met Ile Phe Phe Ala	
	35
Val Arg Leu Asp Thr Arg Leu His Asn Pro Met Tyr Asn Phe Ile Ser	
	50
Ile Phe Ser Phe Leu Glu Met Trp Tyr Thr Thr Ala Thr Ile Pro Lys	
65	70
Met Leu Ser Asn Leu Ile Ser Glu Gln Lys Thr Ile Ser Phe Ile Gly	
	85
Cys Leu Leu Gln Met Tyr Phe Phe His Ser Leu Gly Asn Thr Glu Gly	
	100
Thr Leu Leu Thr Val Met Ala Ile Asp Arg Tyr Val Ala Ile Cys Asn	
	115
Pro Leu Arg Tyr Pro Asn Ile Met Thr Pro Arg Leu Cys Ala Gln Leu	
	130
Thr Ala Gly Ser Cys Val Phe Gly Phe Leu Ile Leu Leu Pro Glu Ile	
145	150
Val Trp Ile Ser Thr Leu Pro Phe Cys Gly Pro Asn Gln Ile Thr Gln	
	165
Ile Phe Cys Asp Phe Thr Pro Leu Leu Lys Leu Ala Cys Thr Asp Ala	
	180
Ser Val Ile Leu Val Gln Asp Val Ile His Ala Leu Ala Ile Leu Ile	
	195
	200
	205

Thr	Ser	Leu	Ile	Ile	Ser	Leu	Ser	Tyr	Ile	Arg	Ile	Ile	Val	Val	Ile
210						215					220				
Leu	Ser	Ile	Ser	Ser	Thr	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ala	Ala	His	Ile	Ala	Val	Phe	Leu	Leu	Phe	Phe	Gly	Ser	Val	Ala	Leu
				245					250					255	
Met	Tyr	Leu	Arg	Phe	Ser	Ala	Thr	Tyr	Thr	Pro	Phe	Trp	Asp	Asn	Thr
			260					265					270		
Ile	Ala	Leu	Thr	Phe	Ser	Val	Phe	Ala	Pro	Leu	Phe	Asn	Pro	Ile	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Asp	Ala	Ile	Asn	Lys	Leu	Ile
	290					295					300				
Cys	Ser	Gln	Lys	Val	Ser	Asn	Glu	Ser	Arg	Arg					
305					310					315					

<210> 1715
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1715

Met	Thr	Gln	Leu	Val	Ala	Ser	Gln	Asn	Gln	Thr	Met	Val	Ile	Glu	Phe
1				5					10					15	
Leu	Phe	Ser	Val	Phe	Pro	Pro	Leu	Tyr	Glu	Gly	Gly	Leu	Leu	Phe	Phe
			20					25					30		
Ile	Leu	Leu	Ile	Leu	Val	Tyr	Ala	Phe	Ile	Ile	Ser	Gly	Asn	Leu	Val
		35					40					45			
Ile	Phe	Val	Ala	Val	Gln	Leu	Asp	Met	Ala	Leu	His	Thr	Pro	Met	Tyr
	50					55					60				
Phe	Phe	Ile	Ser	Val	Leu	Ser	Phe	Leu	Glu	Ile	Trp	Tyr	Thr	Thr	Thr
65					70					75					80
Thr	Ile	Pro	Lys	Met	Leu	Ser	Ser	Leu	Val	Ser	Glu	Lys	Lys	Thr	Ile
			85						90					95	
Ser	Leu	Gly	Gly	Cys	Leu	Met	Gln	Met	Tyr	Phe	Phe	His	Ser	Leu	Gly
		100						105					110		
Ile	Thr	Glu	Gly	Cys	Ile	Leu	Thr	Ala	Met	Ser	Ile	Asp	Arg	Tyr	Ile
	115						120					125			
Ala	Ile	Cys	Tyr	Pro	Leu	Arg	Tyr	Pro	Thr	Ile	Met	Thr	Ser	Lys	Leu
	130					135					140				
Cys	Ile	Gln	Leu	Thr	Ala	Gly	Ser	Cys	Phe	Cys	Gly	Phe	Leu	Leu	Val
145					150					155					160
Leu	Pro	Glu	Ile	Ala	Trp	Ile	Ala	Thr	Leu	Pro	Phe	Cys	Gly	Ser	Asn
			165						170					175	
Lys	Ile	His	Gln	Ile	Phe	Cys	Asp	Phe	Thr	Pro	Val	Leu	Ser	Leu	Ala
		180						185					190		
Cys	Thr	Asp	Thr	Ser	Leu	Val	Val	Ile	Val	Asp	Ala	Ile	His	Ala	Val
	195						200					205			
Glu	Ile	Leu	Ala	Ser	Phe	Leu	Val	Ile	Ala	Leu	Ser	Tyr	Ile	Arg	Ile
	210					215					220				
Ile	Met	Val	Ile	Leu	Gly	Met	Pro	Ser	Ala	Glu	Gly	Arg	His	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Ala	Ala	His	Leu	Ala	Val	Phe	Leu	Leu	Phe	Phe	Gly
			245						250					255	
Ser	Val	Ala	Val	Met	Tyr	Leu	Arg	Phe	Ser	Ala	Thr	Tyr	Ser	Val	Phe
		260						265					270		
Trp	Asp	Thr	Val	Ile	Ala	Val	Thr	Phe	Val	Ile	Leu	Ala	Pro	Phe	Leu

	275		280		285										
Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Met	Lys	Asp	Ala	Ile
	290		295		300										
Gly	Arg	Leu	Phe	His	Gln	Lys	Arg	Asp	Val	Arg	Ala	Gln	Lys		
305					310					315					

<210> 1716
 <211> 299
 <212> PRT
 <213> Mus musculus

<400> 1716

Met	Trp	Asn	Thr	Ser	Glu	Ala	Ala	Phe	Leu	Ser	Cys	Ser	Cys	Trp	Tyr
1				5					10					15	
Thr	Cys	Ser	Pro	Leu	Val	Val	Ile	Cys	Ser	Ser	Ser	Leu	Val	Ile	Arg
			20					25					30		
Leu	Asp	Ala	Ala	Leu	His	Lys	Pro	Met	Tyr	His	Phe	Val	Ser	Val	Leu
		35					40					45			
Ser	Phe	Leu	Glu	Leu	Trp	Tyr	Thr	Ala	Thr	Thr	Met	Pro	Lys	Met	Leu
	50					55					60				
Ala	Asn	Leu	Leu	Ser	Glu	Lys	Lys	Thr	Ile	Ser	Phe	Ala	Gly	Cys	Leu
65					70				75					80	
Leu	Gln	Thr	Tyr	Phe	His	Ser	Leu	Gly	Ala	Ser	Glu	Cys	Tyr	Leu	
				85				90					95		
Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Arg	Pro	Leu
			100					105					110		
His	Tyr	Pro	Ser	Ile	Met	Thr	Thr	Ala	Leu	Cys	Val	Lys	Met	Ala	Ala
		115					120					125			
Gly	Cys	Trp	Thr	Cys	Gly	Phe	Leu	Cys	Pro	Ile	Ser	Glu	Val	Ile	Leu
	130					135				140					
Val	Ser	Gln	Leu	Pro	Phe	Cys	Asn	Tyr	Asn	Glu	Ile	Pro	His	Ile	Phe
145					150				155					160	
Cys	Asp	Phe	Pro	Pro	Leu	Leu	Ser	Leu	Ala	Cys	Lys	Asp	Thr	Ser	Thr
				165				170						175	
Asn	Val	Leu	Val	Asp	Phe	Ala	Val	Asn	Ala	Phe	Ile	Ile	Leu	Ile	Thr
		180						185					190		
Phe	Leu	Phe	Ile	Met	Ala	Ser	Tyr	Gly	Arg	Ile	Ile	Gly	Ala	Val	Leu
	195					200						205			
Lys	Ile	Lys	Thr	Ala	Ala	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Ala
	210				215						220				
Ser	His	Leu	Ile	Val	Val	Leu	Ile	Phe	Phe	Gly	Ser	Ile	Ile	Phe	Met
225					230				235					240	
Tyr	Val	Arg	Leu	Lys	Lys	Ser	Tyr	Ser	Leu	Thr	Leu	Asp	Arg	Thr	Leu
				245					250					255	
Ala	Val	Val	Tyr	Ser	Val	Leu	Thr	Pro	Leu	Ala	Asn	Pro	Ile	Ile	Tyr
			260				265						270		
Ser	Leu	Arg	Asn	Lys	Glu	Leu	Ile	Gln	Ala	Ile	Lys	Arg	Thr	Phe	Phe
	275						280					285			
Lys	Lys	Val	Glu	Lys	Ala	Ser	Pro	Thr	His	His					
	290					295									

<210> 1717
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 <212> PRT
 <213> Mus musculus

<400> 1717

Met	Asp	His	Val	Asn	Tyr	Thr	Trp	Thr	Arg	Thr	Phe	Ile	Leu	Ala	Gly
1				5					10					15	
Phe	Thr	Thr	Ser	Gly	Ala	Leu	Arg	Pro	Leu	Ala	Phe	Leu	Gly	Thr	Leu
			20					25					30		
Cys	Ile	Tyr	Leu	Leu	Thr	Leu	Ala	Gly	Asn	Leu	Phe	Ile	Ile	Val	Leu
		35					40					45			
Val	Gln	Ala	Asp	Ser	Gly	Leu	Ser	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Ser
	50					55					60				
Val	Leu	Ser	Phe	Leu	Glu	Leu	Trp	Tyr	Val	Ser	Thr	Thr	Val	Pro	Thr
65					70					75					80
Leu	Leu	His	Thr	Leu	Leu	His	Gly	His	Ser	Pro	Ile	Pro	Ser	Ser	Ala
				85					90					95	
Cys	Phe	Val	Gln	Leu	Tyr	Val	Phe	His	Ser	Leu	Gly	Met	Thr	Glu	Cys
			100					105					110		
Tyr	Leu	Leu	Gly	Val	Met	Ala	Leu	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Arg
		115					120					125			
Pro	Leu	His	Tyr	His	Ala	Leu	Met	Ser	Lys	Gln	Val	Gln	Leu	Trp	Leu
	130					135					140				
Ala	Gly	Ala	Thr	Trp	Val	Ala	Gly	Phe	Ser	Ala	Ala	Leu	Val	Pro	Ala
145					150					155					160
Cys	Leu	Thr	Ala	Ser	Leu	Pro	Tyr	Cys	Leu	Lys	Glu	Ile	Ala	His	Tyr
				165					170					175	
Phe	Cys	Asp	Leu	Ala	Pro	Leu	Met	Arg	Leu	Ala	Cys	Val	Ser	Thr	Arg
			180					185					190		
Trp	His	Ala	Arg	Val	His	Gly	Ala	Val	Ile	Gly	Val	Ala	Thr	Gly	Cys
		195					200					205			
Asn	Phe	Val	Leu	Ile	Leu	Gly	Leu	Tyr	Gly	Gly	Ile	Leu	Thr	Ala	Val
	210					215					220				
Leu	Lys	Leu	Pro	Ser	Ala	Ala	Ser	Arg	Ala	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Met	Thr	Val	Val	Ala	Leu	Phe	Tyr	Ala	Ser	Ala	Phe	Thr
				245					250					255	
Val	Tyr	Val	Gly	Ser	Pro	Gln	Ser	Arg	Pro	Glu	Gly	Thr	Asp	Lys	Arg
		260						265					270		
Ile	Ala	Leu	Val	Tyr	Ala	Leu	Leu	Thr	Pro	Phe	Leu	Asn	Pro	Ile	Ile
	275						280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Glu	Ala	Val	Lys	Arg	Val	Ser
	290					295					300				
Glu	Lys	Ile	Arg	Thr	Leu	Leu	Arg	Asp	Thr						
305					310										

<210> 1718

<211> 312

<212> PRT

<213> Mus musculus

<400> 1718

Met	Asp	His	Val	Asn	Tyr	Thr	Trp	Thr	Arg	Thr	Phe	Ile	Leu	Ala	Gly
1				5					10					15	
Phe	Thr	Thr	Ser	Gly	Thr	Leu	Gln	His	Leu	Ala	Val	Phe	Gly	Thr	Leu
			20					25					30		
Cys	Ile	Tyr	Leu	Leu	Thr	Leu	Ala	Gly	Asn	Leu	Phe	Ile	Ile	Val	Leu
		35					40					45			
Val	Gln	Ala	Asp	Ser	Gly	Leu	Ser	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Ser

50		55		60											
Val	Leu	Ser	Phe	Leu	Glu	Leu	Trp	Tyr	Val	Ser	Thr	Thr	Val	Pro	Thr
65					70					75					80
Leu	Leu	His	Thr	Leu	Leu	His	Gly	Pro	Ser	Pro	Ile	Pro	Ser	Ser	Ala
				85					90					95	
Cys	Phe	Val	Gln	Leu	Tyr	Val	Phe	His	Ser	Leu	Gly	Met	Thr	Glu	Cys
			100					105					110		
Tyr	Leu	Leu	Gly	Val	Met	Ala	Leu	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Arg
			115				120					125			
Pro	Leu	His	Tyr	His	Ala	Leu	Met	Ser	Arg	Gln	Val	Gln	Lys	Gln	Leu
	130					135					140				
Val	Gly	Val	Thr	Trp	Leu	Ala	Gly	Phe	Ser	Ala	Ala	Leu	Val	Pro	Ala
145					150					155					160
Gly	Leu	Thr	Ala	Ser	Leu	Pro	Tyr	Cys	Leu	Lys	Glu	Val	Ala	His	Tyr
			165					170					175		
Phe	Cys	Asp	Leu	Ala	Pro	Val	Met	Gln	Leu	Ala	Cys	Val	Asp	Thr	Ser
			180					185					190		
Trp	His	Ala	Arg	Leu	Tyr	Ile	Ala	Val	Ile	Gly	Met	Ile	Asn	Thr	Cys
			195				200					205			
Asn	Leu	Thr	Phe	Ile	Leu	Gly	Leu	Tyr	Gly	Gly	Ile	Val	Arg	Ala	Val
	210					215					220				
Leu	Lys	Leu	Pro	Ser	Ala	Ala	Ser	Arg	Ala	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Ile	Thr	Val	Val	Thr	Leu	Phe	Phe	Gly	Ser	Ala	Phe	Ile
			245					250					255		
Val	Tyr	Val	Gly	Pro	Pro	Glu	Ile	Arg	Ala	Glu	Gly	Arg	Asp	Lys	Leu
			260					265					270		
Ile	Ala	Leu	Val	Tyr	Thr	Leu	Leu	Thr	Pro	Phe	Phe	Asn	Pro	Ile	Ile
	275						280					285			
Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys	Glu	Ala	Phe	Lys	Arg	Val	Thr
	290					295					300				
Gln	Arg	Ile	Asn	Ala	Val	Leu	Lys								
305					310										

<210> 1719
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1719

Met	Val	Glu	Ser	Asn	Val	Thr	Cys	Trp	Gln	Gly	Phe	Val	Phe	Leu	Gly
1				5					10					15	
Phe	Ser	Ser	Phe	Gly	Glu	Leu	Gln	Leu	Leu	Leu	Phe	Val	Leu	Phe	Leu
			20					25					30		
Ser	Leu	Tyr	Leu	Val	Thr	Ile	Thr	Ser	Asn	Val	Phe	Ile	Ile	Ile	Val
		35					40					45			
Ile	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50					55					60				
Phe	Leu	Ser	Phe	Ser	Glu	Thr	Cys	Tyr	Thr	Leu	Gly	Ile	Ile	Pro	Arg
65					70					75					80
Met	Leu	Ser	Gly	Leu	Val	Met	Gly	Gly	Gln	Ala	Ile	Ser	Phe	Met	Gly
			85						90					95	
Cys	Ala	Thr	Gln	Met	Phe	Phe	Ser	Ala	Ser	Trp	Ala	Cys	Thr	Asn	Cys
			100					105					110		
Phe	Leu	Leu	Ser	Val	Met	Gly	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Ala
			115					120					125		

Pro	Leu	His	Tyr	Ala	Ser	Arg	Met	Asn	Pro	Thr	Val	Cys	Ala	Gln	Leu
130						135					140				
Val	Gly	Thr	Ser	Phe	Leu	Ser	Gly	Tyr	Leu	Phe	Gly	Leu	Gly	Met	Thr
145					150					155					160
Leu	Val	Ile	Phe	Arg	Leu	Ser	Phe	Cys	Ser	Ser	His	Glu	Ile	Gln	His
				165					170					175	
Phe	Phe	Cys	Asp	Thr	Pro	Pro	Val	Leu	Ser	Leu	Thr	Cys	Gly	Asp	Thr
			180					185					190		
Arg	Leu	Ser	Glu	Leu	Gly	Ile	Leu	Ile	Leu	Ser	Leu	Leu	Val	Leu	Leu
		195					200					205			
Val	Ser	Phe	Phe	Leu	Ile	Ser	Val	Ser	Tyr	Ala	Tyr	Ile	Leu	Val	Ala
	210					215					220				
Ile	Leu	Arg	Ile	Pro	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Val	Val	Val	Ile	His	Tyr	Gly	Cys	Ala	Ser
				245					250					255	
Phe	Met	Tyr	Leu	Arg	Pro	Lys	Ala	Ser	Tyr	Ser	Leu	Glu	Arg	Asp	Gln
			260					265					270		
Leu	Ile	Ala	Val	Thr	Tyr	Thr	Val	Ala	Thr	Pro	Leu	Leu	Asn	Pro	Ile
		275					280					285			
Val	Tyr	Ser	Leu	Arg	Asn	Arg	Ala	Val	Gln	Thr	Ala	Leu	Arg	Asn	Ala
	290					295					300				
Phe	Arg	Gly	Ser	Leu	Leu	Gly	Lys	Arg							
305					310										

<210> 1720
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1720

Met	Ile	Asn	Gln	Thr	Ile	Leu	Gln	Glu	Phe	Ile	Leu	Ile	Gly	Phe	Ser
1				5					10					15	
Ala	Tyr	Pro	Leu	Val	Gln	Thr	Cys	Leu	Phe	Val	Val	Phe	Leu	Cys	Leu
			20					25					30		
Tyr	Met	Val	Thr	Leu	Ala	Ser	Asn	Leu	Thr	Ile	Met	Gly	Leu	Thr	Trp
		35					40					45			
Ala	Asp	Arg	Tyr	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Ser	Ala	Leu
	50					55					60				
Ser	Phe	Ser	Glu	Thr	Cys	Tyr	Thr	Leu	Thr	Ile	Ile	Pro	Lys	Met	Leu
65					70					75					80
Val	Asp	Leu	Leu	Asp	Lys	Asp	Asn	Arg	Ile	Ser	Asp	Ile	Gly	Cys	Gly
			85						90				95		
Leu	Gln	Met	Cys	Phe	Phe	Leu	Gly	Leu	Gly	Gly	Thr	Asn	Cys	Ile	Leu
		100						105					110		
Leu	Thr	Val	Met	Gly	Tyr	Asp	Arg	Phe	Leu	Ala	Ile	Cys	Asn	Ala	Leu
		115					120					125			
Lys	Tyr	Pro	Leu	Leu	Met	Thr	Asn	Val	Ala	Cys	Gly	Gln	His	Val	Ala
		130					135					140			
Thr	Ala	Trp	Val	Gly	Gly	Phe	Leu	Ile	Ser	Leu	Ile	Glu	Thr	Thr	Leu
145					150					155					160
Ile	Phe	Arg	Val	Ser	Phe	Cys	Ile	Pro	Asn	Leu	Ile	Arg	His	Phe	Phe
			165						170					175	
Cys	His	Met	Arg	Ala	Val	Leu	Arg	Leu	Ser	Cys	Thr	Asp	Ser	Asn	Phe
			180					185					190		
Thr	Glu	Phe	Ile	Val	Thr	Leu	Met	Ser	Val	Ser	Gly	Leu	Leu	Gly	Thr

Arg	Asp	Lys	Lys	Leu	Ala	Leu	Phe	Tyr	Asn	Val	Val	Ser	Ala	Phe	Leu
		275					280					285			
Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Phe
	290					295					300				
Leu	Lys	Val	Leu	Gly	Asp	Arg	Gly	Ala	Ala	Lys					
305					310					315					

<210> 1722
 <211> 304
 <212> PRT
 <213> Mus musculus

<400> 1722															
Met	Gln	Glu	Leu	Ser	Gln	Ile	Thr	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10				15		
Phe	Thr	Pro	Asp	Pro	Arg	Thr	Asn	Pro	Leu	Leu	Phe	Pro	Phe	Phe	Leu
			20					25					30		
Val	Phe	Tyr	Leu	Leu	Ile	Leu	Leu	Ser	Asn	Ser	His	Leu	Leu	Ala	Ile
		35				40						45			
Ile	His	Gln	Asp	Ser	Asp	Leu	His	Thr	Pro	Pro	Thr	Tyr	Phe	Phe	Ile
	50					55					60				
Gly	Val	Leu	Ser	Met	Val	Gly	Val	Cys	Tyr	Ala	Thr	Thr	Thr	Val	Ser
65					70					75					80
Gln	Thr	Leu	Ala	His	Ile	Leu	Ser	Arg	Lys	Arg	Ala	Ile	Ser	Phe	Thr
				85					90					95	
Arg	Cys	Val	Ala	His	Ile	Tyr	Ile	Phe	Leu	Leu	Phe	Gly	Val	Thr	Glu
			100					105					110		
Ser	Trp	Leu	Leu	Ser	Ile	Met	Ser	Val	Asp	Arg	Tyr	Ile	Ala	Ile	Cys
		115				120						125			
His	Pro	Leu	Arg	Tyr	Lys	Val	Ile	Val	Ser	Gln	Gly	Met	Cys	Leu	Leu
	130					135					140				
Met	Val	Gly	Ile	Cys	Ala	Thr	Tyr	Gly	Val	Val	Gly	Gly	Leu	Cys	Cys
145					150					155					160
Thr	Phe	Phe	Ala	Met	Arg	Leu	Pro	Tyr	Cys	Gly	Pro	Ser	Glu	Ile	Asp
				165				170						175	
His	Tyr	Phe	Cys	Glu	Val	Pro	Ala	Val	Leu	Lys	Leu	Ala	Cys	Ala	Asp
		180						185					190		
Thr	Ser	Leu	Ser	Asp	Phe	Val	Asp	Phe	Ile	Ile	Gly	Phe	Asn	Val	Ile
		195				200						205			
Val	Val	Pro	Leu	Ser	Leu	Ile	Ala	Ile	Val	Tyr	Ala	Asn	Ile	Phe	Thr
	210					215					220				
Val	Ile	Met	Lys	Ile	Arg	Ser	Thr	Gln	Arg	Arg	Thr	Lys	Asp	Gln	Gly
225					230					235					240
Glu	Asp	Leu	Arg	Leu	Pro	His	His	Cys	Gly	His	His	Val	Cys	His	Leu
				245					250					255	
Met	Gln	His	His	Ala	His	Glu	Ser	Cys	Leu	Trp	Leu	Leu	Ile	Lys	Gln
		260						265					270		
Arg	Gln	Glu	Asn	Gly	Leu	Phe	Tyr	Asn	Ile	Ala	Thr	Ala	Phe	Leu	Asn
		275					280					285			
Pro	Val	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Lys	Arg	Phe	Leu
	290					295					300				

<210> 1723
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 <212> PRT

<213> Mus musculus

<400> 1723

Met	Arg	Glu	Glu	Asn	Glu	Ser	Ser	Thr	Ile	Asp	Phe	Thr	Leu	Leu	Gly
1				5					10					15	
Val	Thr	Arg	Gln	Arg	Glu	Gln	Glu	Tyr	Phe	Phe	Phe	Ile	Leu	Phe	Leu
			20					25					30		
Phe	Ile	Tyr	Pro	Ile	Thr	Val	Phe	Gly	Asn	Met	Leu	Ile	Ile	Leu	Ala
		35					40					45			
Ile	His	Ser	Asp	Thr	Arg	Leu	His	Asn	Pro	Met	Tyr	Phe	Phe	Leu	Ala
	50					55				60					
Asn	Leu	Ser	Leu	Val	Asp	Ile	Phe	Phe	Ser	Ser	Val	Thr	Ile	Pro	Lys
65					70				75					80	
Met	Leu	Ala	Asn	His	Leu	Leu	Gly	Ser	Lys	Ala	Ile	Ser	Phe	Gly	Gly
				85					90					95	
Cys	Met	Ala	Gln	Met	Tyr	Phe	Met	Ile	Gly	Leu	Gly	Asn	Thr	Asp	Ser
			100					105					110		
Tyr	Ile	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Ala	Val	Ala	Ile	Ser	Arg
	115						120					125			
Pro	Leu	His	Tyr	Ala	Thr	Ile	Met	Ser	Pro	Gln	Leu	Cys	Val	Leu	Leu
	130					135					140				
Val	Ala	Gly	Ser	Trp	Val	Ile	Ala	Asn	Ala	Asn	Ala	Leu	Pro	His	Thr
145					150				155					160	
Leu	Leu	Thr	Ala	Arg	Leu	Ser	Phe	Cys	Gly	Asn	Lys	Asp	Val	Ala	Asn
				165					170					175	
Phe	Tyr	Cys	Asp	Ile	Thr	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Ser	Asp	Ile
			180					185					190		
Arg	Phe	Asn	Val	Lys	Met	Met	Tyr	Leu	Gly	Val	Gly	Val	Phe	Ser	Val
		195					200					205			
Pro	Leu	Leu	Cys	Ile	Ile	Ile	Ser	Tyr	Val	Arg	Val	Phe	Ser	Thr	Val
	210					215					220				
Leu	Arg	Val	Pro	Ser	Thr	Lys	Gly	Phe	Leu	Lys	Ala	Leu	Ser	Thr	Cys
225					230				235					240	
Gly	Ser	His	Leu	Thr	Val	Val	Ser	Leu	Tyr	Tyr	Gly	Thr	Val	Met	Gly
				245					250					255	
Met	Tyr	Phe	Arg	Pro	Leu	Thr	Ser	Tyr	Ser	Leu	Lys	His	Ala	Leu	Ile
			260					265					270		
Thr	Val	Met	Tyr	Thr	Ala	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr
	275						280					285			
Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Ala	Ala	Leu	Lys	Lys	Leu	Phe	His
	290					295					300				
Cys	Pro	Ser	Ser	Ser	Ser	Ser	Leu	Met							
305					310										

<210> 1724

<211> 314

<212> PRT

<213> Mus musculus

<400> 1724

Met	Ala	Val	Thr	Asn	Leu	Thr	Tyr	Lys	Pro	Gln	Phe	Gln	Leu	Leu	Gly
1				5				10						15	
Leu	Met	Asp	Gly	Thr	Asp	Pro	His	Pro	Leu	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Ser	Ile	Tyr	Leu	Leu	Asn	Ala	Leu	Gly	Asn	Leu	Ser	Met	Val	Val	Leu
		35					40					45			

Val	Arg	Ser	Asp	Gly	Ala	Leu	Cys	Ser	Pro	Met	Tyr	Tyr	Phe	Leu	Gly
50						55					60				
His	Leu	Ser	Leu	Val	Asp	Val	Cys	Phe	Thr	Thr	Val	Thr	Val	Pro	Arg
65					70					75					80
Leu	Leu	Ala	Thr	Leu	Leu	His	Pro	Gly	Gln	Ala	Ile	Ser	Phe	Gln	Ala
				85					90					95	
Cys	Phe	Ala	Gln	Met	Tyr	Phe	Phe	Val	Ala	Leu	Gly	Ile	Thr	Glu	Ser
			100					105					110		
Tyr	Leu	Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Ala	Val	Ala	Val	Cys	Arg
			115				120					125			
Pro	Leu	His	Tyr	Gly	Ala	Val	Met	Thr	Pro	Trp	Arg	Cys	Phe	Leu	Leu
						135					140				
Val	Ala	Ala	Ser	Trp	Ala	Val	Ala	His	Leu	His	Ser	Leu	Leu	His	Thr
145					150					155					160
Leu	Leu	Ile	Ser	Ala	Leu	Thr	Tyr	Pro	Pro	Ser	Ala	Pro	Val	Arg	His
				165					170					175	
Phe	Phe	Cys	Asp	Met	Thr	Val	Met	Leu	Ser	Leu	Ala	Thr	Ser	Asp	Thr
			180					185					190		
Ser	Ala	Ala	Glu	Thr	Ala	Ile	Phe	Ser	Glu	Gly	Leu	Thr	Val	Val	Leu
			195				200					205			
Thr	Pro	Leu	Leu	Leu	Val	Ser	Leu	Ser	Tyr	Ala	Arg	Ile	Leu	Val	Ala
					215						220				
Val	Leu	Gly	Ile	Arg	Thr	Thr	Gly	Gly	Arg	His	Arg	Val	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ala	His	Leu	Val	Val	Val	Ser	Leu	Phe	Phe	Gly	Ser	Val	Leu
				245					250					255	
Ser	Val	Tyr	Phe	Arg	Pro	Ser	Ser	Ala	Tyr	Ser	Ala	Arg	Tyr	Asp	Arg
			260					265					270		
Met	Ala	Ser	Val	Val	Tyr	Ala	Val	Val	Thr	Pro	Thr	Leu	Asn	Pro	Phe
			275				280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ser	Ala	Leu	Lys	Arg	Gly
			290			295					300				
Phe	Arg	Trp	Arg	Ala	Ala	Pro	Gln	Asp	Glu						
305					310										

<210> 1725
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1725															
Met	Glu	Ser	Lys	Phe	Glu	Ser	Asn	Gly	Thr	Ala	Val	Thr	Glu	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Val	Glu	Thr	Ala	Gly	Leu	Gln	Pro	Val	Ile	Phe	Val
			20					25					30		
Val	Phe	Leu	Phe	Ala	Tyr	Leu	Leu	Thr	Val	Gly	Gly	Asn	Leu	Ser	Ile
			35				40					45			
Leu	Ala	Ala	Val	Phe	Val	Glu	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe
			50			55					60				
Phe	Leu	Gly	Asn	Leu	Ser	Met	Leu	Asp	Val	Gly	Cys	Ile	Ser	Val	Thr
65				70					75					80	
Val	Pro	Ser	Met	Leu	Gly	Arg	Leu	Leu	Ser	His	Lys	Arg	Thr	Val	Pro
			85					90					95		
Tyr	Gly	Ala	Cys	Leu	Thr	Gln	Leu	Phe	Phe	Phe	His	Gln	Leu	Ala	Gly
			100					105					110		
Val	Asp	Cys	Phe	Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Leu	Ala

Ser	Ser	Thr	Gln	Leu	Asn	Glu	Leu	Leu	Leu	Phe	Gly	Val	Gly	Phe	Ile
		195					200					205			
Met	Ala	Gly	Thr	Pro	Met	Ala	Leu	Ile	Phe	Ile	Ser	Tyr	Ile	His	Val
	210					215					220				
Ala	Ala	Ala	Val	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Thr	Val	Val	Ala	Met	Phe	Tyr	Gly
			245						250					255	
Thr	Gly	Met	Phe	Asn	Tyr	Met	Arg	Leu	Gly	Ser	Thr	Lys	Phe	Ser	Asp
			260					265					270		
Lys	Asp	Lys	Ala	Ile	Gly	Ile	Phe	Asn	Thr	Val	Ile	Asn	Pro	Met	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Pro	Asp	Val	Gln	Ala	Ala	Leu
	290					295					300				
Trp	Arg	Val	Leu	Thr	Gly	Arg	Arg	Pro	Ala	Ala					
305					310					315					

<210> 1727
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1727

Met	Gln	Pro	Lys	Pro	Arg	Ala	Asn	Gly	Thr	Thr	Ile	Thr	Glu	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Val	Glu	Thr	Pro	Glu	Leu	Trp	Pro	Leu	Val	Phe	Ile
			20					25					30		
Leu	Phe	Leu	Leu	Ala	Tyr	Met	Thr	Thr	Val	Gly	Gly	Asn	Leu	Ser	Ile
	35						40					45			
Leu	Ala	Ala	Val	Leu	Val	Glu	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Gly	Asn	Leu	Ser	Val	Met	Asp	Val	Gly	Cys	Ile	Ser	Val	Thr
65					70				75						80
Ile	Pro	Ser	Met	Leu	Val	Arg	Leu	Leu	Val	His	Lys	Arg	Thr	Ile	Pro
			85						90					95	
Tyr	Gly	Asp	Cys	Leu	Thr	Gln	Leu	Phe	Phe	Phe	His	Leu	Leu	Val	Gly
			100					105					110		
Val	Asp	Cys	Phe	Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Leu	Ala
		115					120					125			
Ile	Cys	Arg	Pro	Leu	Thr	Tyr	Ser	Thr	Arg	Met	Asn	His	Thr	Ile	Gln
	130					135					140				
Arg	Ile	Leu	Val	Ala	Thr	Ser	Trp	Ala	Cys	Ala	Phe	Ser	Asn	Ala	Leu
145					150					155					160
Thr	His	Thr	Val	Ala	Ile	Ser	Thr	Leu	His	Phe	Cys	Gly	Pro	Asn	Val
			165						170					175	
Ile	Asn	His	Phe	Tyr	Cys	Asp	Leu	Pro	Gln	Leu	Phe	Gln	Leu	Ser	Cys
			180					185					190		
Ser	Ser	Thr	Gln	Leu	Asn	Glu	Leu	Leu	Leu	Phe	Gly	Val	Gly	Phe	Ile
		195					200					205			
Met	Ala	Gly	Thr	Pro	Met	Ala	Leu	Ile	Phe	Thr	Ser	Tyr	Met	His	Val
	210					215					220				
Ala	Ala	Ala	Val	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Thr	Val	Val	Ala	Ile	Phe	Tyr	Gly
			245						250					255	
Ala	Gly	Ile	Phe	Asn	Tyr	Met	Arg	Leu	Gly	Ser	Thr	Lys	Leu	Ser	Asp

			260					265				270			
Lys	Asp	Lys	Ala	Ile	Gly	Ile	Phe	Asn	Thr	Val	Ile	Asn	Pro	Met	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Pro	Asp	Val	Gln	Ala	Ala	Leu
	290					295					300				
Trp	Arg	Val	Leu	Thr	Gly	Arg	Arg	Pro	Ala	Ala					
305					310					315					

<210> 1728
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1728

Met	Gln	Pro	Lys	Pro	Arg	Ala	Asn	Gly	Thr	Thr	Val	Thr	Glu	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Val	Glu	Thr	Pro	Glu	Leu	Trp	Pro	Leu	Val	Phe	Ile
		20						25					30		
Leu	Phe	Leu	Leu	Ala	Tyr	Met	Thr	Thr	Val	Gly	Gly	Asn	Leu	Ser	Ile
	35					40						45			
Leu	Ala	Ala	Val	Leu	Val	Glu	Pro	Lys	Leu	His	Thr	His	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Gly	Asn	Leu	Ser	Val	Met	Asp	Val	Gly	Cys	Ile	Ser	Val	Thr
65					70					75					80
Ile	Pro	Ser	Met	Leu	Gly	Arg	Leu	Leu	Ala	His	Arg	Leu	Thr	Val	Pro
			85						90					95	
Tyr	Gly	Ala	Cys	Leu	Thr	Gln	Leu	Phe	Phe	Phe	His	Leu	Leu	Ala	Gly
			100					105						110	
Val	Asp	Cys	Phe	Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Leu	Ala
		115					120					125			
Ile	Cys	Gln	Pro	Leu	Thr	Tyr	Ser	Thr	Arg	Met	Asn	His	Ser	Val	Gln
	130					135					140				
Arg	Ile	Leu	Val	Ala	Ser	Ser	Trp	Ala	Cys	Ser	Phe	Ser	Asn	Ala	Leu
145					150					155					160
Thr	His	Thr	Val	Ala	Thr	Ser	Thr	Leu	Arg	Phe	Cys	Gly	Pro	Asn	Val
			165						170					175	
Ile	Asp	Asn	Phe	Tyr	Cys	Asp	Leu	Pro	Gln	Leu	Phe	Gln	Leu	Ser	Cys
		180						185					190		
Ser	Ser	Thr	Gln	Ile	Asn	Glu	Leu	Leu	Phe	Ala	Leu	Ser	Phe	Ile	
		195					200					205			
Met	Ala	Gly	Thr	Pro	Met	Ala	Leu	Ile	Phe	Thr	Ser	Tyr	Ile	Asn	Val
	210					215					220				
Ala	Ala	Ala	Val	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Thr	Val	Val	Ala	Met	Phe	Tyr	Gly
			245						250					255	
Thr	Gly	Met	Phe	Asn	Tyr	Met	Arg	Leu	Gly	Ser	Thr	Lys	Leu	Ser	Asp
		260						265					270		
Lys	Asp	Lys	Ala	Ile	Gly	Ile	Phe	Asn	Thr	Val	Ile	Asn	Pro	Met	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Pro	Asp	Val	Gln	Ala	Ala	Leu
	290					295					300				
Trp	Arg	Val	Leu	Thr	Gly	Arg	Arg	Pro	Ala	Ala					
305					310					315					

<210> 1729
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1729
 Met Glu Asn Cys Thr Lys Val Arg Glu Phe Ile Leu Leu Gly Leu Thr
 1 5 10 15
 Asp Asp Pro Gly Leu Gln Val Ser Leu Cys Ile Met Phe Thr Leu Ile
 20 25 30
 Tyr Leu Ile Asp Val Val Gly Asn Thr Gly Leu Ile Met Leu Val Leu
 35 40 45
 Met Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu Cys Asn Leu
 50 55 60
 Ser Phe Val Asp Leu Gly Tyr Ser Ser Ala Val Thr Pro Met Val Ile
 65 70 75 80
 Ser Glu Phe Phe Ile Val Ser Lys Val Val Ser Tyr Asn Ala Cys Ala
 85 90 95
 Ala Gln Met Phe Phe Phe Val Gly Phe Ala Thr Gly Glu Asn Tyr Leu
 100 105 110
 Leu Ala Ser Met Ala Tyr Asp Arg Tyr Val Ala Val Cys Lys Pro Leu
 115 120 125
 His Tyr Ser Thr Arg Met Thr Thr Ser Val Cys Ile Cys Leu Asn Ile
 130 135 140
 Val Ser Tyr Ile Cys Gly Phe Leu Asn Ala Ile Phe His Val Gly Asp
 145 150 155 160
 Ile Phe Ser Leu Ser Phe Cys Lys Ser Asn Val Val His His Phe Phe
 165 170 175
 Cys Asp Val Pro Ala Val Leu Ala Leu Ser Cys Ser Asp Ile His Leu
 180 185 190
 Ser Glu Val Ile Leu Val Phe Leu Ser Thr Phe Asn Val Phe Phe Ala
 195 200 205
 Leu Leu Ile Ile Ser Val Ser Tyr Leu Phe Ile Phe Ile Thr Val Leu
 210 215 220
 Lys Met Lys Ser Asp Gln Gly His Gln Lys Ala Leu Ser Thr Cys Ala
 225 230 235 240
 Ser His Leu Thr Val Val Ser Ile Phe Tyr Ser Thr Val Ile Phe Met
 245 250 255
 Tyr Leu Gln Pro Ser Ser Ser His Ser Met Asp Ala Asp Lys Val Ala
 260 265 270
 Ser Met Phe Tyr Thr Met Ile Ile Pro Thr Leu Asn Pro Leu Val Tyr
 275 280 285
 Ser Leu Arg Asn Lys Glu Val Asn Asn Ala Phe Lys Lys Val Val Glu
 290 295 300
 Arg Ala Lys Ile Phe Met
 305 310

<210> 1730
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1730
 Met Thr Ile Met Lys Asn Arg Thr Glu Val Thr Glu Phe Ile Leu Leu
 1 5 10 15
 Gly Leu Thr Asn Asp Pro Gly Met Gln Leu Pro Leu Phe Ile Thr Phe

Asp	Cys	Ala	Ala	Gln	Met	Phe	Phe	Phe	Gly	Ala	Phe	Ala	Thr	Val	Glu
		100						105					110		
Asn	Tyr	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Val	Cys
		115					120					125			
Lys	Pro	Leu	His	Tyr	Ala	Thr	Ile	Met	Thr	Lys	Ser	Met	Tyr	Thr	Trp
		130				135					140				
Leu	Ile	Thr	Gly	Ser	Tyr	Val	Ile	Ser	Phe	Thr	Asn	Ser	Ser	Ile	His
				150						155					160
Ile	Ala	Asp	Ile	Phe	Thr	Leu	Ser	Phe	Cys	Lys	Ser	Asn	Val	Ile	His
			165						170					175	
His	Phe	Phe	Cys	Asp	Val	Pro	Ala	Ile	Met	Ala	Leu	Thr	Cys	Phe	Asp
			180					185					190		
Asn	Gln	Val	Arg	Glu	His	Val	Leu	Leu	Tyr	Ile	Glu	Ser	Leu	Asn	Val
		195					200					205			
Phe	Phe	Ala	Leu	Ile	Val	Ile	Cys	Thr	Ser	Tyr	Met	Leu	Ile	Phe	Val
		210				215					220				
Thr	Ile	Leu	Lys	Met	His	Ser	Ala	Ser	Gly	His	His	Lys	Ala	Ile	Ser
					230					235					240
Thr	Cys	Ala	Ser	His	Phe	Thr	Ala	Val	Ser	Ile	Phe	Tyr	Gly	Thr	Val
				245					250					255	
Ile	Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Asn	His	Ser	Met	Asp	Thr	Asp
			260					265					270		
Lys	Val	Thr	Ser	Val	Phe	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro
		275					280					285			
Leu	Val	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asn	Ala	Phe	Ile	Lys
		290				295					300				
Leu	Ile	Leu	His	Tyr											
															305

<210> 1732
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1732

Met	Thr	Ser	Met	Glu	Asn	Ile	Thr	Glu	Val	Thr	Glu	Phe	Ile	Leu	Leu
1			5					10						15	
Gly	Leu	Thr	Asp	Asp	Pro	Asn	Leu	Gln	Val	Pro	Leu	Leu	Leu	Ile	Phe
			20					25				30			
Leu	Phe	Ile	Tyr	Leu	Val	Thr	Leu	Ile	Gly	Asn	Gly	Gly	Met	Met	Val
		35				40					45				
Ile	Ile	Phe	Ser	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50				55					60					
Ser	Asn	Leu	Ser	Phe	Val	Asp	Leu	Gly	Tyr	Ser	Ser	Ala	Val	Ala	Pro
	65				70				75					80	
Lys	Met	Val	Ala	Ala	Leu	Gln	Ser	Gly	Asn	Lys	Val	Ile	Ser	Tyr	Asn
			85					90					95		
Gly	Cys	Ala	Ala	Gln	Phe	Phe	Phe	Phe	Val	Gly	Phe	Ala	Thr	Val	Glu
			100					105				110			
Cys	Tyr	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	His	Ala	Ala	Val	Cys
		115				120						125			
Arg	Pro	Leu	His	Tyr	Thr	Thr	Thr	Met	Thr	Thr	Gly	Val	Cys	Thr	Ile
		130			135						140				
Leu	Thr	Ile	Gly	Ser	Tyr	Thr	Cys	Gly	Phe	Leu	Asn	Ala	Ser	Ile	His
				150					155					160	
Ala	Ala	Asp	Thr	Phe	Lys	Leu	Ser	Phe	Cys	Gly	Ser	Asn	Lys	Ile	Asn

305

<210> 1735
<211> 314
<212> PRT
<213> Mus musculus

<400> 1735
Met Glu Asn Ser Thr Glu Val Thr Glu Phe Ile Leu Thr Gly Leu Thr
1 5 10 15
Asp Asn Pro Glu Leu Gln Ile Pro Leu Phe Ile Val Phe Leu Leu Ile
20 25 30
Tyr Leu Ser Thr Val Leu Gly Asn Leu Gly Met Val Gly Leu Ile Leu
35 40 45
Leu Asp Ser His Leu His Thr Pro Met Tyr Leu Phe Leu Ser His Leu
50 55 60
Ser Leu Val Asp Phe Gly Tyr Ser Ser Ala Val Thr Pro Lys Val Met
65 70 75 80
Pro Gly Leu Leu Ser Ile Asp Lys Thr Ile Thr His Asn Ala Cys Gly
85 90 95
Thr Gln Phe Phe Phe Val Ser Phe Ile Thr Thr Glu Ser Phe Leu
100 105 110
Leu Ala Ala Met Ala Tyr Asp Arg Tyr Ala Ala Val Cys Lys Pro Leu
115 120 125
Gln Tyr Thr Thr Thr Met Thr Thr Asn Thr Cys Ala Cys Leu Thr Ile
130 135 140
Gly Ser Tyr Val Cys Gly Val Leu Asn Ser Ser Ile His Thr Gly Asn
145 150 155 160
Ile Phe Arg Leu Ser Phe Cys Lys Phe Asn Val Ile Asp His Phe Phe
165 170 175
Cys Asp Ala Pro Pro Leu Leu Ala Leu Ser Cys Ser Asp Thr Ser Val
180 185 190
Ser Glu Met Val Ile Leu Phe Val Val Gly Phe Asn Asp Ile Phe Ser
195 200 205
Ile Val Val Ile Pro Ile Ser Tyr Leu Phe Ile Phe Ile Thr Ile Leu
210 215 220
Arg Met Arg Ser Ser Glu Gly Arg Gln Lys Ala Phe Ser Thr Cys Ala
225 230 235 240
Ser His Leu Thr Val Val Phe Ile Phe Tyr Gly Ser Gly Ile Phe Met
245 250 255
Tyr Leu Gln Pro Ser Ser Ser His Thr Met Gly Thr Asp Lys Met Ala
260 265 270
Ser Val Phe Tyr Thr Met Ile Ile Pro Met Leu Asn Pro Leu Val Tyr
275 280 285
Ser Leu Arg Asn Lys Glu Val Lys Ser Ala Phe Lys Lys Ala Val Glu
290 295 300
Lys Ala Lys Ile Ser Leu Ala Phe Thr Phe
305 310

<210> 1736
<211> 312
<212> PRT
<213> Mus musculus

<400> 1736

Met	Glu	Asn	Arg	Thr	Glu	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Val	Thr
1				5					10					15	
Asn	Ala	Pro	Ala	Leu	Gln	Thr	Pro	Leu	Phe	Ile	Leu	Phe	Thr	Leu	Ile
			20					25					30		
Tyr	Phe	Ile	Asn	Met	Thr	Gly	Asn	Leu	Gly	Met	Leu	Val	Leu	Ile	Leu
		35					40					45			
Trp	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Gly	Asn	Leu
	50					55					60				
Ser	Leu	Val	Asp	Ile	Phe	Tyr	Ser	Ser	Ala	Val	Thr	Pro	Thr	Val	Val
65					70					75					80
Ala	Gly	Leu	Leu	Val	Gly	Asn	Gln	Ala	Ile	Ser	Tyr	Asn	Ala	Cys	Ala
				85					90					95	
Ala	Gln	Met	Phe	Leu	Phe	Val	Val	Phe	Ala	Thr	Ala	Glu	Asn	Phe	Leu
			100					105					110		
Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Lys	Pro	Leu
		115				120						125			
His	Tyr	Thr	Thr	Thr	Met	Thr	Pro	Thr	Thr	Cys	Ala	Cys	Leu	Thr	Met
	130					135					140				
Ala	Cys	Tyr	Ala	Gly	Gly	Phe	Leu	Asn	Ser	Ser	Ile	His	Thr	Gly	Asp
145					150					155					160
Thr	Phe	Arg	Leu	Tyr	Phe	Cys	Lys	Ser	Asn	Val	Val	His	His	Phe	Phe
			165					170						175	
Cys	Asp	Val	Pro	Ala	Val	Met	Val	Leu	Ser	Cys	Ser	Asp	Arg	His	Ile
		180						185				190			
Ser	Glu	Met	Val	Leu	Leu	Tyr	Gly	Ala	Ser	Phe	Val	Ile	Cys	Ser	Ala
	195						200					205			
Leu	Leu	Val	Ile	Leu	Ile	Ser	Tyr	Ile	Phe	Ile	Phe	Ile	Thr	Ile	Phe
	210					215					220				
Lys	Met	Arg	Ser	Ala	Ala	Gly	Tyr	Gln	Lys	Ala	Met	Ser	Thr	Cys	Val
225					230					235					240
Ser	His	Phe	Thr	Ala	Val	Ser	Ile	Phe	Tyr	Gly	Thr	Leu	Ile	Phe	Met
			245					250						255	
Tyr	Leu	Gln	Pro	Ser	Ser	Ser	His	Ser	Met	Asp	Thr	Asp	Lys	Ile	Val
		260						265					270		
Ser	Val	Phe	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro	Val	Val	Tyr
	275						280					285			
Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ser	Ala	Phe	Lys	Lys	Val	Val	Glu
	290					295					300				
Lys	Ala	Lys	Tyr	Thr	Leu	Gly	Phe								
305					310										

<210> 1737
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1737

Met	Glu	Asn	Arg	Thr	Glu	Met	Thr	Gly	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Asn	Ala	Pro	Glu	Leu	Arg	Ala	Pro	Leu	Phe	Ile	Ile	Ile	Ser	Phe	Ile
			20					25					30		
Tyr	Phe	Thr	Asn	Val	Ile	Gly	Asn	Leu	Gly	Met	Ile	Val	Leu	Ile	Leu
		35					40					45			
Trp	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Cys	Phe	Leu	Ala	Asn	Leu
	50					55					60				
Ser	Leu	Val	Asp	Ile	Phe	Tyr	Ser	Ser	Ala	Val	Ala	Pro	Thr	Ile	Leu

65					70					75				80
Ala	Gly	Leu	Leu	Val	Gly	Asn	Ile	Val	Val	Ser	Tyr	Asn	Ala	Cys Val
				85					90				95	
Ala	Gln	Met	Ile	Ser	Phe	Ser	Ala	Phe	Val	Thr	Thr	Glu	Asp	Leu Leu
		100						105				110		
Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Lys	Pro Leu
		115					120					125		
His	Tyr	Thr	Thr	Ile	Met	Thr	Pro	Thr	Val	Cys	Ile	Cys	Leu	Ile Met
	130					135					140			
Ala	Cys	Tyr	Ala	Gly	Gly	Phe	Leu	Asn	Ser	Ser	Ile	His	Thr	Gly Asp
145					150					155				160
Thr	Phe	Arg	Leu	Ser	Phe	Cys	Gly	Ser	Asn	Ala	Val	His	His	Phe Phe
				165					170					175
Cys	Asp	Val	Pro	Ala	Val	Met	Thr	Leu	Ser	Cys	Ser	Asp	Arg	His Val
		180						185				190		
Ser	Glu	Ile	Val	Leu	Ile	Tyr	Gly	Ala	Gly	Phe	Ile	Ile	Cys	Ser Ala
	195						200					205		
Leu	Leu	Val	Ile	Leu	Ile	Ser	Tyr	Thr	Phe	Ile	Phe	Ile	Thr	Ile Phe
	210					215					220			
Arg	Met	Arg	Ser	Ala	Ala	Gly	Tyr	Gln	Lys	Ala	Met	Ser	Thr	Cys Val
225					230					235				240
Ser	His	Phe	Thr	Ala	Val	Ser	Ile	Phe	Tyr	Gly	Thr	Val	Ile	Phe Met
				245					250					255
Tyr	Leu	Gln	Pro	Thr	Ser	Ser	His	Ser	Met	Asp	Thr	Asp	Lys	Thr Val
			260					265					270	
Ser	Val	Phe	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro	Met	Val Tyr
		275				280						285		
Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ser	Ala	Phe	Lys	Lys	Val	Val Glu
	290					295					300			
Lys	Ala	Lys	Tyr	Ser	Leu	Gly	Phe							
305					310									

<210> 1738
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1738

Met	Met	Gln	Asn	Ile	Ser	Glu	Leu	Ser	Glu	Phe	Ile	Leu	Val	Gly	Leu
1				5					10					15	
Thr	Asp	Ala	Pro	Phe	Leu	Gln	Thr	Pro	Leu	Phe	Ile	Ile	Phe	Thr	Leu
			20					25					30		
Ile	Tyr	Leu	Thr	Thr	Leu	Phe	Gly	Asn	Leu	Gly	Met	Ile	Met	Leu	Ile
		35					40					45			
Leu	Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn
	50					55					60				
Leu	Ser	Leu	Val	Asp	Cys	Val	Tyr	Ala	Ser	Ala	Val	Thr	Pro	Lys	Val
65					70					75					80
Met	Glu	Gly	Phe	Leu	Thr	Gly	Asn	Lys	Ile	Ile	Ser	Tyr	Asn	Ala	Cys
				85					90					95	
Ala	Ala	Gln	Met	Phe	Phe	Phe	Val	Ala	Phe	Ala	Ile	Thr	Glu	Asn	Phe
			100					105					110		
Ile	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	His	Ala	Ala	Val	Cys	Lys	Pro
		115					120					125			
Leu	His	Tyr	Ser	Thr	Thr	Met	Thr	Thr	Thr	Ile	Cys	Val	Leu	Leu	Leu
	130					135						140			

Val	Gly	Ser	Tyr	Leu	Ser	Gly	Leu	Leu	His	Ser	Ser	Ile	His	Val	Ser
145					150					155					160
Phe	Thr	Phe	His	Leu	Ser	Phe	Cys	Arg	Ser	Asn	Val	Val	Asn	His	Phe
				165					170						175
Phe	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Ala	Val	Ser	Cys	Ser	Ser	Ile	Arg
			180					185					190		
Thr	Asn	Glu	Ile	Ile	Leu	Phe	Met	Leu	Ala	Gly	Phe	Asp	Val	Ala	Phe
		195					200					205			
Ser	Leu	Leu	Val	Ile	Leu	Thr	Ser	Tyr	Leu	Leu	Ile	Ser	Val	Ala	Ile
	210					215					220				
Val	Arg	Met	Arg	Ser	Ala	Glu	Ser	Arg	Lys	Lys	Ala	Ile	Ser	Thr	Cys
225					230					235					240
Ala	Ser	His	Leu	Thr	Thr	Val	Ser	Ile	Phe	Tyr	Gly	Thr	Ile	Ile	Phe
				245					250						255
Met	Tyr	Leu	Gln	Pro	Ser	Ser	Asn	His	Ser	Met	Asp	Thr	Asp	Lys	Leu
			260				265						270		
Ala	Ser	Val	Phe	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Val
		275				280						285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asn	Ala	Phe	Lys	Lys	Val	Ala
	290				295						300				
Gly	Lys	Ala	Val	Leu	Ser	Leu	Gly	Leu	Ile	Asn					
305					310					315					

<210> 1739
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1739

Met	Ser	Leu	Met	Glu	Asn	Asn	Thr	Asp	Val	Thr	Gln	Phe	Leu	Leu	Leu
1				5					10					15	
Gly	Leu	Thr	Asp	Asp	Pro	Gly	Leu	Gln	Phe	Pro	Leu	Phe	Ile	Thr	Phe
			20					25					30		
Leu	Leu	Ile	Tyr	Thr	Ile	Thr	Leu	Val	Gly	Asn	Leu	Gly	Met	Ile	Leu
		35				40						45			
Leu	Ile	Val	Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50				55					60					
Gly	Asn	Leu	Ser	Leu	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Ala	Val	Thr	Pro
65					70				75						80
Thr	Val	Met	Thr	Gly	Leu	Ile	Gly	Glu	Lys	Ile	Ile	Ser	Tyr	Asn	Asp
			85					90						95	
Cys	Ala	Ala	Gln	Met	Phe	Phe	Phe	Val	Ala	Phe	Ala	Thr	Val	Glu	Asn
			100					105					110		
Tyr	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Lys
		115				120						125			
Pro	Leu	His	Tyr	Ala	Thr	Thr	Met	Thr	Ala	Asn	Val	Cys	Ile	Cys	Leu
	130					135					140				
Cys	Ile	Gly	Ser	Tyr	Thr	Cys	Gly	Phe	Leu	Asn	Ala	Ser	Ile	His	Ile
145					150					155					160
Gly	Asp	Thr	Phe	Ser	Leu	Ser	Phe	Cys	Arg	Ser	Asn	Val	Val	His	His
			165					170						175	
Phe	Phe	Cys	Asp	Ile	Pro	Ala	Val	Met	Val	Leu	Ser	Cys	Ser	Asp	Arg
			180					185					190		
His	Val	Ser	Glu	Leu	Val	Leu	Val	Tyr	Val	Val	Ser	Phe	Asn	Ile	Phe
		195				200						205			
Phe	Ala	Leu	Ser	Val	Ile	Trp	Ile	Ser	Tyr	Ile	Phe	Ile	Phe	Ile	Thr

210		215		220
Ile Cys Lys Met His Ser Ser Ser Gly Tyr Arg Lys Ala Ile Ser Thr				
225		230		240
Cys Ala Ser His Phe Ile Ala Val Ser Ile Phe Tyr Gly Thr Ile Ile				
	245		250	255
Phe Met Tyr Leu Gln Pro Ser Ser Ser His Ser Met Asp Thr Asp Lys				
	260		265	270
Ile Ala Ser Val Phe Tyr Thr Met Ile Ile Pro Met Leu Asn Pro Leu				
	275		280	285
Val Tyr Ser Met Arg Asn Lys Glu Val Lys Ser Ala Phe Thr Lys Val				
	290		295	300
Leu Gln Val Ala Lys				
305				

<210> 1740
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1740

Met Thr Ser Leu Asn Asn Leu Thr Glu Val Thr His Phe Leu Leu Leu				
1	5		10	15
Gly Leu Thr Asp Asp Pro Gly Leu Gln Leu Pro Leu Phe Ile Ile Phe				
	20		25	30
Leu Leu Ile Tyr Ile Ile Thr Leu Val Gly Asn Leu Gly Met Ile Leu				
	35		40	45
Leu Ile Leu Leu Asp Ser Arg Leu His Ile Pro Met Tyr Phe Phe Leu				
	50		55	60
Ala Asn Leu Ser Leu Val Asp Val Ile Tyr Ser Ser Ala Val Thr Pro				
65	70		75	80
Lys Val Met Ala Gly Leu Ile Ile Gly Asp Asn Leu Ile Ser Tyr Asn				
	85		90	95
Glu Cys Ala Ala Gln Met Phe Phe Phe Ala Ala Phe Ala Thr Val Glu				
	100		105	110
Asn Tyr Leu Leu Thr Ser Met Ala Cys Asp Arg Tyr Ala Ala Val Cys				
	115		120	125
Lys Pro Leu Tyr Tyr Ala Thr Thr Met Thr Pro Ser Val Cys Met Cys				
	130		135	140
Phe Ile Met Gly Cys Tyr Ala Leu Gly Phe Leu Asn Ala Ser Val Tyr				
145	150		155	160
Leu Gly Asn Thr Phe Ser Leu Ser Phe Cys Lys Ser Asn Val Val His				
	165		170	175
His Phe Phe Cys Asp Met Pro Ala Ile Met Ala Leu Ser Cys Ser Asp				
	180		185	190
Arg His Val Asn Glu Leu Val Leu Ile Tyr Gln Ala Ser Phe Ile Ile				
	195		200	205
Phe Phe Ala Leu Ile Ile Ile Leu Ile Ser Tyr Ile Ile Ile Phe Ile				
	210		215	220
Thr Ile Leu Lys Met His Ser Glu Ala Gly Val Gln Lys Ala Leu Ser				
225	230		235	240
Thr Cys Ala Ser His Phe Thr Ala Val Phe Ile Phe Tyr Gly Thr Thr				
	245		250	255
Ile Phe Met Tyr Leu Gln Pro Ser Ser Arg His Ala Met Asp Thr Asp				
	260		265	270
Lys Ile Val Ser Val Phe Tyr Thr Met Val Ile Pro Met Leu Asn Pro				
	275		280	285

Leu Val Tyr Ser Leu Arg Asn Lys Glu Val Lys Ser Ala Phe Met Lys
 290 295 300
 Val Val Leu Lys Glu Lys
 305 310

<210> 1741
 <211> 307
 <212> PRT
 <213> Mus musculus

<400> 1741
 Met Glu Asn Thr Thr Glu Val Thr Trp Phe Val Leu Leu Gly Leu Thr
 1 5 10 15
 Asn Asp Pro Gln Leu Gln Leu Pro Leu Phe Ile Thr Phe Leu Leu Ile
 20 25 30
 Tyr Ile Ile Thr Leu Val Gly Asn Leu Gly Ile Ile Leu Leu Ile Leu
 35 40 45
 Leu Asp Ser Arg Leu His Thr Pro Met Tyr Ile Phe Leu Ser Asn Leu
 50 55 60
 Ser Leu Val Asp Phe Cys Tyr Ser Ser Thr Ile Thr Pro Lys Val Met
 65 70 75 80
 Ala Gly Phe Leu Thr Gly Asp Arg Ile Ile Ser Tyr Asn Ala Cys Ala
 85 90 95
 Ser Gln Met Phe Phe Phe Ala His Phe Ala Asp Val Glu Ser Tyr Leu
 100 105 110
 Leu Val Ser Met Ala Tyr Asp His Tyr Val Ala Val Cys Lys Pro Leu
 115 120 125
 His Tyr Ala Thr Thr Met Thr Thr His Leu Cys Val Phe Leu Val Ile
 130 135 140
 Gly Cys Tyr Ile Cys Gly Phe Leu Asn Ala Ser Ile Tyr Thr Val Asp
 145 150 155 160
 Val Phe Ser Leu Ser Phe Cys Glu Ser Asn Val Ile His His Phe Phe
 165 170 175
 Cys Asp Val Leu Ala Val Met Ile Ile Ser Arg Ser Asp Lys Tyr Ile
 180 185 190
 Asn Glu Leu Val Leu Ile Ser Val Ala Ser Phe Asn Ile Ile Phe Ser
 195 200 205
 Leu Ile Leu Ile Leu Ile Ser Tyr Met Phe Ile Phe Thr Asn Ile Leu
 210 215 220
 Lys Ile Asn Ser Ser Glu Gly Tyr Arg Lys Ala Leu Ser Thr Cys Thr
 225 230 235 240
 Ser His Phe Thr Ala Val Phe Ile Tyr Tyr Gly Thr Val Ile Phe Met
 245 250 255
 Tyr Leu Gln Pro Thr Ser Ser His Ser Met Asp Thr Asp Lys Ile Val
 260 265 270
 Ser Val Phe Tyr Ser Ile Val Ile Pro Met Leu Asn Pro Leu Val Tyr
 275 280 285
 Ser Met Arg Asn Lys Glu Val Lys Asn Ala Phe Thr Lys Val Val Leu
 290 295 300
 Arg Ser Arg
 305

<210> 1742
 <211> 307
 <212> PRT

<213> Mus musculus

<400> 1742

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Met Glu Asn Arg Thr Glu Val Arg Cys Phe Ile Leu Val Gly Leu Thr
 1      5      10      15
Asn Asp Pro Gly Leu Gln Leu Pro Leu Phe Ile Thr Phe Leu Ile
 20      25      30
Tyr Ile Ile Thr Leu Ile Gly Asn Leu Gly Leu Ile Leu Ile Leu
 35      40      45
Leu Asp Ser Arg Leu His Thr Pro Met Tyr Ile Phe Leu Gly Asn Leu
 50      55      60
Ser Leu Val Asp Phe Cys Tyr Ser Ser Thr Val Thr Pro Lys Val Ile
 65      70      75      80
Ala Gly Phe Leu Met Gly Asp Lys Ile Met Ser Tyr Asn Ala Cys Ala
 85      90      95
Ser Gln Met Phe Phe Phe Ala Asn Phe Ala Asp Val Glu Asn Tyr Leu
100      105      110
Leu Val Ser Met Ala Tyr Asp Arg Tyr Val Ala Val Cys Lys Pro Leu
115      120      125
His Tyr Ala Thr Thr Met Thr Thr His Met Cys Val Cys Leu Leu Ile
130      135      140
Gly Cys Tyr Ile Cys Gly Phe Leu Asn Ala Ser Ile Tyr Thr Val Asp
145      150      155      160
Ala Leu Ser Leu Ser Phe Cys Glu Ser Asn Val Val His His Phe Phe
165      170      175
Cys Asp Val Leu Ala Val Met Ile Ile Ser Cys Ser Asp Arg His Val
180      185      190
Asn Glu Leu Ile Phe Val Tyr Val Ala Ser Phe Asn Ile Phe Phe Ala
195      200      205
Leu Ile Leu Ile Ile Ile Ser Tyr Thr Phe Ile Phe Thr Asn Ile Leu
210      215      220
Lys Leu Gln Ser Ala Ala Gly Tyr Arg Lys Ala Phe Phe Thr Cys Ala
225      230      235      240
Ser His Phe Thr Ala Val Ser Ile Phe Tyr Gly Thr Ile Ile Phe Met
245      250      255
Tyr Leu Gln Pro Ser Ser Ser His Ser Met Asp Thr Asp Lys Ile Ala
260      265      270
Ser Val Phe Tyr Thr Met Val Ile Pro Met Leu Asn Pro Leu Val Tyr
275      280      285
Ser Leu Arg Asn Lys Asp Val Lys Ser Ala Phe Thr Lys Ile Ile Leu
290      295      300
Arg Ser Gly
305
```

<210> 1743

<211> 308

<212> PRT

<213> Mus musculus

<400> 1743

```
Met Met Glu Asn Gln Thr Glu Val Thr Glu Phe Ile Leu Leu Gly Leu
 1      5      10      15
Thr Asp Asp Pro Glu Leu Gln Ile Pro Leu Phe Ile Thr Phe Leu Ala
 20      25      30
Ile Tyr Thr Ile Thr Val Val Gly Asn Leu Gly Met Ile Leu Leu Ile
 35      40      45
```

Leu Met Asp Ser Arg Leu His Thr Pro Met Tyr Phe Phe Leu Gly Asn
 50 55 60
 Leu Ser Leu Val Asp Phe Cys Tyr Ser Ser Ala Val Thr Pro Lys Val
 65 70 75 80
 Met Ser Gly Phe Leu Ile Gly Asp Lys Val Ile Ser Tyr Asn Asp Cys
 85 90 95
 Ala Ala Gln Met Phe Ile Phe Ala Ala Phe Ile Thr Val Glu Asn Tyr
 100 105 110
 Leu Leu Ala Ser Met Ala Tyr Asp Arg Tyr Ala Ala Val Cys Lys Pro
 115 120 125
 Leu His Tyr Thr Thr Thr Met Thr Thr Ser Val Cys Thr Trp Leu Ile
 130 135 140
 Ile Gly Ser Tyr Val Ile Gly Phe Met Asn Ala Ser Ile His Ile Gly
 145 150 155 160
 Asp Thr Phe His Leu Tyr Phe Cys Glu Ser Asn Val Val His His Phe
 165 170 175
 Phe Cys Asp Ile Pro Ala Val Met Val Leu Ser Cys Ser Asp Arg Tyr
 180 185 190
 Ala Ser Glu Leu Val Leu Val Tyr Ile Val Ser Phe His Ile Phe Phe
 195 200 205
 Ala Phe Ile Val Ile Trp Ile Ser Tyr Val Phe Ile Phe Val Thr Ile
 210 215 220
 Val Lys Met Gln Ser Ala Ala Gly His His Lys Ala Ile Ser Thr Cys
 225 230 235 240
 Ala Ser His Phe Thr Ala Val Ser Ile Phe Tyr Gly Thr Ser Ile Phe
 245 250 255
 Met Tyr Val Gln Pro Ser Ser Asn His Ser Met Asp Thr Asp Lys Ile
 260 265 270
 Ala Ser Val Phe Tyr Thr Met Val Ile Pro Met Leu Asn Pro Leu Val
 275 280 285
 Tyr Ser Leu Arg Asn Lys Glu Val Lys Ser Ala Leu Lys Lys Ile Ile
 290 295 300
 Leu Gln Thr Thr
 305

<210> 1744
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1744
 Met Glu Asn Ile Ser Glu Val Thr Glu Phe Ile Leu Val Gly Ile Thr
 1 5 10 15
 Asp Ala Pro Glu Leu Gln Ile Pro Leu Phe Ile Ile Phe Thr Leu Ile
 20 25 30
 Tyr Leu Ile Ala Leu Phe Gly Asn Leu Gly Met Ile Met Leu Ile Leu
 35 40 45
 Leu Asp Ser Arg Leu His Thr Pro Met Tyr Phe Phe Leu Cys Asn Leu
 50 55 60
 Ser Leu Val Asp Cys Val Tyr Ala Ser Ala Val Thr Pro Lys Val Met
 65 70 75 80
 Glu Gly Phe Leu Thr Gly Asn Lys Ile Ile Ser Tyr Asn Ala Cys Ala
 85 90 95
 Ala Gln Met Phe Phe Phe Val Ala Phe Ile Ala Ile Glu Ser Leu Ile
 100 105 110
 Leu Ala Ser Met Ala Tyr Asp Arg His Ala Ala Val Cys Asn Pro Leu

Asn Glu Leu Ile Leu Val Tyr Leu Ala Ser Phe Asn Val Phe Phe Ala
 195 200 205
 Leu Ile Leu Ile Leu Ile Ser Tyr Met Phe Ile Phe Thr Asn Ile Leu
 210 215 220
 Lys Met His Ser Ala Ser Gly Tyr Cys Lys Ala Ile Ser Thr Cys Ala
 225 230 235 240
 Ser His Leu Thr Ala Val Phe Ile Phe Tyr Gly Thr Ile Ile Phe Met
 245 250 255
 Tyr Leu Gln Pro Ser Ser His His Ser Met Asp Thr Asp Lys Ile Ala
 260 265 270
 Ser Val Phe Tyr Thr Met Ile Ile Pro Met Leu Asn Pro Leu Val Tyr
 275 280 285
 Ser Leu Arg Asn Lys Asp Val Lys Ser Ala Phe Thr Lys Ile Val Leu
 290 295 300
 Arg Ser Gly
 305

<210> 1746
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1746
 Met Ile Ala Arg Gly Asn Ser Thr Glu Ile Thr Gln Phe Ile Leu Leu
 1 5 10 15
 Gly Phe Thr Asp Leu Pro Ile Ile Ile Leu Leu Phe Val Thr Phe
 20 25 30
 Leu Leu Ile Tyr Ile Thr Thr Leu Thr Trp Asn Leu Ser Leu Ile Val
 35 40 45
 Leu Ile Arg Met Asp Ser His Leu His Thr Pro Met Tyr Phe Phe Leu
 50 55 60
 Cys Asn Leu Ser Ile Ile Asp Leu Cys Tyr Val Thr Ser Thr Val Pro
 65 70 75 80
 Lys Met Leu Ser Asn Phe Phe Gln Glu Arg Gln Thr Asn Ser Phe Val
 85 90 95
 Gly Cys Ile Val Gln Asn Phe Ile Phe Ser Thr Met Gly Leu Ser Glu
 100 105 110
 Ser Cys Leu Met Ala Ala Met Ala Tyr Asp Arg Tyr Ala Ala Ile Cys
 115 120 125
 Asn Pro Leu Leu Tyr Ala Ser Ile Met Ser Pro Thr Leu Cys Val Leu
 130 135 140
 Met Val Leu Ala Ser Tyr Leu Ser Gly Leu Thr Ala Ser Leu Leu Gln
 145 150 155 160
 Leu Phe Ala Leu Leu Arg Leu His Phe Cys Gly Thr Asn Val Ile Lys
 165 170 175
 His Phe Phe Cys Asp Met Pro Gln Leu Leu Val Leu Ser Cys Thr Asp
 180 185 190
 Thr Phe Phe Val Gln Val Leu Thr Ala Ile Leu Thr Met Ile Phe Gly
 195 200 205
 Phe Val Asn Met Leu Val Ile Met Ile Ser Tyr Val Tyr Ile Val Leu
 210 215 220
 Ser Ile Leu Lys Ile Thr Ser Ala Lys Gly Arg Ser Lys Ala Phe Asn
 225 230 235 240
 Thr Cys Ala Ser His Leu Thr Ala Val Ser Leu Phe Tyr Thr Ser Ser
 245 250 255
 Ile Phe Val Tyr Leu Ser Ser Ser Ser Gly Gly Ser Ser Ser Phe Asp

<210> 1748
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1748

Met	Ile	Gly	Glu	Arg	Asn	Ile	Thr	Lys	Ile	Thr	Gln	Phe	Ile	Leu	Leu
1				5					10					15	
Gly	Phe	Ser	Asp	Phe	Pro	Arg	Ile	Thr	Val	Pro	Leu	Phe	Val	Met	Phe
			20					25					30		
Leu	Met	Ile	Tyr	Thr	Leu	Ala	Val	Thr	Trp	Asn	Phe	Ser	Leu	Ile	Ala
		35					40					45			
Leu	Ile	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ser	Asn	Leu	Ser	Ile	Ile	Asp	Ile	Cys	Tyr	Ile	Thr	Ser	Thr	Ala	Pro
65					70				75						80
Lys	Met	Leu	Ser	Asn	Phe	Phe	Gln	Glu	Lys	Gln	Thr	Ile	Ser	Phe	Val
				85					90					95	
Gly	Cys	Ile	Val	Gln	Tyr	Phe	Ile	Leu	Ser	Thr	Met	Gly	Leu	Thr	Glu
			100					105					110		
Ser	Cys	Leu	Met	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys
		115					120					125			
Asn	Pro	Leu	Leu	Tyr	Ser	Ser	Val	Met	Ser	Pro	Thr	Leu	Cys	Ala	Gln
	130					135					140				
Met	Val	Met	Gly	Ser	Tyr	Thr	Ala	Gly	Leu	Thr	Gly	Ser	Val	Ser	Gln
145					150					155					160
Ile	Cys	Ala	Leu	Leu	Gln	Leu	Tyr	Phe	Cys	Gly	Pro	Asn	Val	Ile	Arg
			165						170					175	
His	Phe	Phe	Cys	Asp	Ile	Ser	Gln	Leu	Leu	Asn	Leu	Ser	Cys	Ser	Asp
			180					185					190		
Ala	Phe	Phe	Val	Gln	Val	Leu	Leu	Ala	Ile	Leu	Thr	Met	Cys	Phe	Gly
		195					200					205			
Ile	Ala	Asn	Ala	Leu	Ala	Thr	Met	Leu	Ser	Tyr	Gly	Phe	Ile	Val	Leu
	210					215					220				
Ser	Ile	Leu	Lys	Ile	Thr	Ser	Ala	Lys	Gly	Arg	Ser	Lys	Ala	Phe	Asn
225					230				235						240
Thr	Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Ser	Leu	Phe	Tyr	Ser	Thr	Ala
				245					250					255	
Ile	Phe	Val	Tyr	Leu	Arg	Ser	Ser	Ser	Gly	Gly	Ser	Ser	Ser	Phe	Asp
		260					265						270		
Arg	Phe	Ala	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro
	275						280					285			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Ile	Lys	Asp	Ala	Met	Lys	Arg
	290					295					300				
Leu	Gln	Lys	Lys	Lys	Ile	Cys	Ser								
305						310									

<210> 1749
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1749

Met	Ile	Gly	Gly	Arg	Asn	Ile	Thr	Lys	Ile	Thr	Gln	Phe	Ile	Leu	Leu
1				5					10					15	
Gly	Phe	Ser	Asp	Phe	Pro	Gln	Ile	Thr	Ala	Leu	Leu	Phe	Val	Met	Phe

		20					25			30				
Leu	Thr	Leu	Tyr	Ile	Thr	Ala	Leu	Thr	Trp	Asn	Leu	Ser	Leu	Val Val
		35					40				45			
Leu	Ile	Arg	Met	Asp	Ser	Tyr	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe Leu
	50					55					60			
Ser	Asn	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Tyr	Ile	Ser	Ser	Thr	Val Pro
65					70					75				80
Lys	Met	Leu	Ser	Asn	Leu	Phe	Gln	Glu	Lys	Gln	Thr	Ile	Ser	Phe Val
				85					90					95
Gly	Cys	Ile	Val	Gln	Tyr	Phe	Ile	Phe	Ser	Thr	Met	Gly	Leu	Ser Glu
			100					105					110	
Ser	Cys	Leu	Met	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile Cys
		115					120					125		
Asn	Pro	Leu	Leu	Tyr	Ser	Ser	Val	Met	Ser	Pro	Thr	Leu	Cys	Ala Arg
	130					135					140			
Met	Val	Met	Gly	Ser	Tyr	Thr	Ala	Gly	Leu	Val	Ser	Ser	Leu	Ser Gln
145					150					155				160
Ile	Cys	Val	Leu	Leu	Gln	Leu	His	Phe	Cys	Gly	Pro	Asn	Val	Ile Arg
				165					170					175
His	Phe	Phe	Cys	Asp	Met	Pro	Gln	Leu	Leu	Asn	Leu	Ser	Ser	Asn Asp
		180						185					190	
Thr	Phe	Phe	Ala	His	Val	Leu	Leu	Val	Ile	Leu	Thr	Met	Phe	Phe Gly
		195					200					205		
Leu	Ile	Asn	Ala	Leu	Ala	Ile	Met	Val	Ser	Tyr	Gly	Tyr	Ile	Ala Ser
	210					215					220			
Ser	Ile	Met	Lys	Ile	Thr	Ser	Val	Asn	Gly	Arg	Ser	Lys	Ala	Phe Asn
225					230					235				240
Thr	Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Ser	Leu	Phe	Tyr	Ser	Ser Gly
				245					250					255
Ile	Phe	Val	Tyr	Leu	Ser	Ser	Ser	Ser	Gly	Gly	Ser	Ser	Ser	Phe Asp
			260					265					270	
Arg	Phe	Ala	Ser	Val	Phe	Tyr	Ser	Val	Val	Ile	Pro	Met	Leu	Asn Pro
		275					280					285		
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Ile	Lys	Asp	Ala	Met	Asn Arg
	290					295					300			
Leu	Gln	Lys	Lys	Val	Ile	Cys	Ser							
305					310									

<210> 1750

<211> 315

<212> PRT

<213> Mus musculus

<400> 1750

Met	Pro	Gly	Gly	Arg	Asn	Ser	Thr	Val	Ile	Thr	Lys	Phe	Ile	Leu Val
1				5					10					15
Gly	Phe	Ser	Asp	Phe	Pro	Lys	Leu	Lys	Leu	Val	Leu	Phe	Val	Ile Phe
			20					25					30	
Leu	Gly	Ser	Tyr	Leu	Ser	Thr	Val	Val	Trp	Asn	Leu	Gly	Leu	Ile Ile
			35				40					45		
Leu	Ile	Arg	Ile	Asp	Pro	Tyr	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe Leu
	50					55					60			
Ser	Asn	Leu	Ser	Phe	Leu	Asp	Phe	Cys	Tyr	Ile	Ser	Ser	Thr	Thr Pro
65					70					75				80
Lys	Met	Leu	Ser	Gly	Phe	Phe	Gln	Lys	Ser	Lys	Ser	Ile	Ser	Phe Val
				85					90					95

Gly	Cys	Thr	Met	Gln	Tyr	Phe	Ile	Phe	Ser	Ser	Leu	Gly	Leu	Ser	Glu
			100					105					110		
Cys	Cys	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys
		115					120					125			
Asn	Pro	Leu	Leu	Tyr	Thr	Ala	Ile	Met	Ser	Pro	Ser	Leu	Cys	Val	His
	130					135					140				
Met	Val	Val	Gly	Ala	Tyr	Ser	Thr	Gly	Leu	Leu	Gly	Ser	Leu	Ile	Gln
145					150					155					160
Leu	Cys	Ala	Ile	Leu	Gln	Leu	His	Phe	Cys	Gly	Pro	Asn	Ile	Ile	Asn
			165					170					175		
His	Phe	Phe	Cys	Asp	Leu	Pro	Gln	Leu	Leu	Val	Leu	Ser	Cys	Ser	Glu
			180					185					190		
Thr	Phe	Pro	Leu	Gln	Val	Leu	Lys	Phe	Val	Ile	Ala	Val	Ile	Phe	Gly
		195					200					205			
Val	Ala	Ser	Val	Ile	Val	Ile	Leu	Ile	Ser	Tyr	Gly	Tyr	Ile	Ile	Gly
	210					215					220				
Thr	Ile	Leu	Asn	Ile	Ser	Ser	Val	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Asn
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Phe	Gly	Ser	Gly
			245					250					255		
Leu	Phe	Val	Tyr	Met	Arg	Pro	Ser	Ser	Asn	Ser	Ser	Gln	Gly	Tyr	Asp
		260					265					270			
Lys	Met	Ala	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro
	275						280				285				
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Ile	Lys	Asp	Ala	Leu	Gln	Arg
	290					295					300				
Cys	Lys	Asn	Lys	Cys	Phe	Ser	Gln	Cys	His	Cys					
305					310					315					

<210> 1751
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1751

Met	Ala	Val	Gly	Arg	Asn	Ile	Ser	Val	Val	Thr	Asn	Phe	Ile	Leu	Leu
1			5					10					15		
Gly	Phe	Leu	Glu	Arg	Pro	Gln	Leu	Gln	Ile	Val	Leu	Phe	Val	Leu	Phe
		20					25					30			
Leu	Gly	Ile	Tyr	Leu	Val	Thr	Leu	Ala	Gly	Asn	Leu	Gly	Leu	Ile	Val
	35					40					45				
Leu	Ile	Arg	Met	Asp	Ser	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu
	50				55					60					
Ser	Asn	Leu	Ser	Phe	Val	Asp	Val	Ser	Tyr	Thr	Ser	Ser	Ile	Ala	Pro
65				70					75					80	
Lys	Met	Leu	Cys	Asp	Phe	Phe	Arg	Glu	Gln	Lys	Ser	Ile	Thr	Phe	Ile
			85					90					95		
Gly	Cys	Ala	Ile	Gln	Leu	Phe	Phe	Phe	Val	Gly	Met	Gly	Gly	Thr	Glu
		100					105					110			
Cys	Cys	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ser
	115					120						125			
Asn	Pro	Leu	Leu	Tyr	Pro	Ser	Leu	Met	Ser	Pro	Thr	Ile	Cys	Val	Gly
	130				135						140				
Met	Ala	Ile	Thr	Val	Tyr	Thr	Gly	Gly	Phe	Leu	Thr	Gly	Leu	Ile	Gln
145				150						155					160
Thr	Ser	Ser	Ile	Phe	Arg	Leu	His	Phe	Cys	Gly	Pro	Arg	Val	Ile	Asn

				165					170					175			
His	Phe	Phe	Cys	Asp	Leu	Pro	Pro	Leu	Met	Ser	Leu	Ser	Cys	Ser	Ser		
			180					185					190				
Thr	Phe	Phe	Ser	Gln	Val	Val	Asn	Phe	Leu	Val	Val	Cys	Val	Val	Gly		
		195					200					205					
Gly	Ala	Ser	Ala	Leu	Val	Val	Leu	Val	Ser	Tyr	Gly	Tyr	Ile	Ile	Ala		
	210					215					220						
Ala	Val	Met	Arg	Ile	His	Ser	Thr	His	Gly	Gln	Met	Lys	Ala	Phe	Asn		
	225				230					235					240		
Thr	Cys	Ala	Ser	Tyr	Leu	Thr	Thr	Val	Ile	Leu	Phe	Tyr	Gly	Ser	Gly		
				245					250						255		
Leu	Phe	Ser	Tyr	Leu	His	Ser	Asn	Ala	Gly	Tyr	Ser	Gln	Asp	Lys	Asn		
		260					265						270				
Lys	Val	Val	Ser	Met	Phe	Tyr	Gly	Ala	Val	Ile	Pro	Met	Leu	Asn	Pro		
		275					280					285					
Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Ile	Lys	Glu	Ala	Leu	Lys	Lys		
	290					295					300						
Leu	Lys	Lys	Arg	Lys	Lys	Gln	Met	Ser	Cys	Leu	Cys	Ala	Met				
	305				310					315							

<210> 1752
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1752

Met	Ala	Leu	Thr	Asn	Thr	Trp	Asn	Ser	Ser	Ser	Val	Thr	Met	Phe	Ile		
1				5				10					15				
Phe	Leu	Gly	Phe	Ser	Asp	His	Pro	Glu	Leu	Arg	Ile	Phe	Leu	Phe	Leu		
			20					25				30					
Thr	Phe	Leu	Ser	Ile	Tyr	Leu	Val	Thr	Leu	Thr	Trp	Asn	Leu	Ala	Leu		
		35				40						45					
Ile	Phe	Leu	Ile	Arg	Gly	Asp	Ile	His	Leu	His	Thr	Pro	Met	Tyr	Phe		
	50				55					60							
Phe	Leu	Ser	Asn	Leu	Ser	Phe	Val	Asp	Ile	Cys	Tyr	Ser	Ser	Ser	Val		
	65				70				75					80			
Ala	Pro	Lys	Met	Leu	Ser	Asp	Phe	Phe	Arg	Glu	Gln	Lys	Thr	Ile	Ser		
			85					90					95				
Phe	Leu	Gly	Cys	Gly	Ala	Gln	Phe	Phe	Phe	Val	Gly	Leu	Gly	Leu			
		100					105					110					
Thr	Glu	Cys	Phe	Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala		
		115				120					125						
Ile	Ser	Asn	Pro	Leu	Leu	Tyr	Thr	Thr	Ile	Met	Pro	Gln	Gly	Leu	Cys		
	130					135				140							
Met	Arg	Met	Val	Ala	Gly	Ala	Tyr	Leu	Gly	Gly	Phe	Leu	Ser	Ser	Phe		
	145				150				155						160		
Ile	Gln	Ala	Ser	Ser	Ile	Phe	Gln	Leu	His	Phe	Cys	Gly	Pro	Asn	Val		
			165					170					175				
Ile	Asn	His	Phe	Phe	Cys	Asp	Leu	Pro	Pro	Ile	Leu	Ala	Leu	Ser	Cys		
			180					185					190				
Ser	Asn	Thr	Phe	Leu	Ser	Gln	Val	Val	Asn	Phe	Leu	Ile	Val	Ile	Thr		
		195					200					205					
Val	Gly	Gly	Thr	Ser	Phe	Leu	Ile	Leu	Leu	Ile	Ser	Tyr	Ser	Tyr	Ile		
	210					215					220						
Val	Ser	Ala	Val	Leu	Lys	Ile	His	Ser	Val	Arg	Gly	Arg	Trp	Lys	Ala		
	225				230					235					240		

Phe	Asn	Thr	Cys	Ala	Ser	His	Leu	Met	Ala	Val	Thr	Met	Leu	Phe	Gly
				245					250					255	
Thr	Ala	Leu	Phe	Met	Tyr	Leu	Arg	Pro	Ser	Ser	Ser	Tyr	Ser	Phe	Ser
			260					265					270		
Arg	Asp	Lys	Val	Val	Ser	Val	Phe	Tyr	Ser	Leu	Val	Ile	Pro	Met	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Ile	Lys	Asp	Ala	Leu
	290					295					300				
Trp	Lys	Val	Met	Glu	Arg	Lys	Lys	Val	Phe	Pro	Asn	Leu			
305					310					315					

<210> 1753

<211> 313

<212> PRT

<213> Mus musculus

<400> 1753

Met	Glu	Met	Glu	Asn	Tyr	Thr	Arg	Ile	Lys	Glu	Leu	Ile	Phe	Leu	Gly
1				5					10					15	
Leu	Thr	Gln	Ser	Gln	Gln	Val	Ser	Ala	Val	Leu	Phe	Leu	Phe	Leu	Leu
		20						25					30		
Leu	Val	Tyr	Val	Thr	Thr	Leu	Leu	Gly	Asn	Leu	Leu	Ile	Met	Val	Thr
		35				40						45			
Val	Thr	Cys	Glu	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Arg
	50					55					60				
Asn	Leu	Ser	Val	Ala	Asp	Ile	Cys	Phe	Ser	Ser	Ile	Thr	Ala	Pro	Lys
65				70						75					80
Val	Leu	Val	Asp	Leu	Thr	Ser	Asn	Arg	Lys	Thr	Ile	Ser	Phe	Asn	Gly
			85						90					95	
Cys	Leu	Thr	Gln	Met	Phe	Phe	Phe	His	Leu	Ile	Gly	Gly	Val	Asp	Ala
			100					105					110		
Phe	Ser	Leu	Ser	Val	Met	Ala	Leu	Asp	Arg	Tyr	Val	Ala	Ile	Ser	Lys
		115				120						125			
Pro	Leu	His	Tyr	Val	Thr	Ile	Met	Ser	Arg	Gly	Arg	Cys	Ile	Gly	Leu
	130					135					140				
Ile	Val	Ala	Ser	Trp	Val	Gly	Gly	Phe	Ala	His	Ser	Ile	Val	Gln	Ile
145				150						155					160
Ser	Leu	Leu	Leu	Thr	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Leu	Asp	Thr
			165						170					175	
Phe	Tyr	Cys	Asp	Val	Pro	Gln	Val	Ile	Lys	Leu	Ala	Cys	Thr	Asp	Ile
			180					185						190	
Val	Val	Leu	Glu	Leu	Leu	Met	Ile	Ser	Asn	Asn	Gly	Met	Leu	Thr	Thr
		195				200						205			
Leu	Trp	Phe	Phe	Leu	Leu	Leu	Val	Ser	Tyr	Met	Val	Ile	Leu	Leu	Leu
	210					215					220				
Leu	Lys	Ser	Gln	Ser	Gly	Glu	Gly	Lys	Lys	Lys	Ala	Ile	Ser	Thr	Cys
225				230						235					240
Thr	Thr	His	Ile	Thr	Val	Val	Thr	Leu	His	Phe	Val	Pro	Cys	Ile	Tyr
			245						250					255	
Val	Tyr	Ala	Arg	Pro	Phe	Thr	Ala	Leu	Pro	Thr	Asp	Lys	Val	Ile	Ser
		260					265						270		
Val	Thr	Phe	Thr	Val	Ile	Ser	Pro	Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Thr
		275				280						285			
Leu	Arg	Asn	Gln	Glu	Met	Lys	Ser	Ala	Met	Arg	Arg	Leu	Arg	Lys	Lys
	290					295					300				
Phe	Arg	Phe	Ser	His	Trp	Ile	Glu	Lys							

305

. 310

<210> 1754

<211> 310

<212> PRT

<213> Mus musculus

<400> 1754

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Met Glu Leu Arg Asn Asp Thr Arg Val Lys Glu Phe Ile Phe Leu Gly
 1           5           10           15
Leu Thr Gln Ser Gln His Leu Ser Leu Val Leu Cys Leu Val Leu Cys
          20           25           30
Phe Val Tyr Val Thr Thr Leu Leu Gly Asn Leu Leu Ile Met Ile Ile
          35           40           45
Val Thr Phe Glu Ser Arg Leu His Thr Pro Met Tyr Phe Leu Leu Arg
          50           55           60
Asn Leu Ala Val Leu Asp Ile Cys Phe Ser Ser Ile Thr Ala Pro Lys
65           70           75           80
Val Leu Val Asp Leu Leu Ala Lys Lys Lys Thr Ile Ser Tyr Ala Lys
          85           90           95
Cys Met Thr Gln Met Phe Phe Phe His Leu Leu Gly Gly Ala Asp Ile
          100          105          110
Phe Ser Leu Ser Val Met Ala Phe Asp Arg Tyr Met Ala Ile Ser Lys
          115          120          125
Pro Leu His Tyr Val Thr Ile Met Ser Ser Lys Arg Cys Thr Ala Leu
          130          135          140
Ile Ala Ala Ser Trp Val Gly Gly Phe Val His Ser Ile Val Gln Ile
145           150           155           160
Ser Leu Leu Leu Pro Leu Pro Phe Cys Gly Pro Asn Val Leu Asp Thr
          165          170          175
Phe Tyr Cys Asp Val Pro Gln Val Leu Lys Leu Ala Cys Thr Asp Thr
          180          185          190
Phe Val Leu Glu Leu Leu Met Ile Ser Asn Asn Gly Leu Val Thr Thr
          195          200          205
Leu Trp Phe Ile Phe Leu Leu Val Ser Tyr Met Val Ile Leu Met Met
          210          215          220
Leu Arg Ser Gln Ala Gly Glu Asp Arg Arg Lys Ala Ile Ser Thr Cys
225           230           235           240
Thr Ser His Ile Thr Val Val Thr Leu His Phe Val Pro Cys Ile Tyr
          245          250          255
Val Tyr Ala Arg Pro Phe Thr Ala Leu Pro Thr Asp Lys Ala Ile Ser
          260          265          270
Val Thr Phe Thr Val Ile Ser Pro Leu Leu Asn Pro Leu Ile Tyr Thr
          275          280          285
Leu Arg Asn Gln Glu Met Lys Ser Ala Ile Arg Arg Leu Lys Arg Lys
          290          295          300
Leu Thr Pro Leu Glu Lys
305           310

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<210> 1755

<211> 311

<212> PRT

<213> Mus musculus

<400> 1755

Met	Glu	Leu	Gly	Asn	His	Thr	Lys	Val	Thr	Glu	Phe	Ile	Phe	Cys	Gly
1				5					10					15	
Leu	Thr	Gln	Ser	Gln	Glu	Leu	Ser	Leu	Leu	Leu	Phe	Phe	Phe	Leu	Ser
		20						25					30		
Ile	Val	Tyr	Ile	Thr	Thr	Val	Leu	Val	Asn	Val	Thr	Ile	Met	Val	Thr
	35					40						45			
Val	Thr	Trp	Glu	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Arg
	50					55					60				
Asn	Leu	Ser	Val	Leu	Asp	Ile	Cys	Phe	Ser	Ser	Ile	Thr	Val	Pro	Lys
65					70					75					80
Val	Leu	Val	Asp	Leu	Leu	Ser	Arg	Arg	Lys	Thr	Ile	Ser	Phe	Asn	Gly
			85						90					95	
Cys	Phe	Thr	Gln	Ile	Phe	Phe	Phe	His	Leu	Leu	Gly	Gly	Ala	Asp	Ile
			100					105					110		
Phe	Ser	Leu	Ser	Val	Met	Ala	Phe	Asp	Arg	Tyr	Met	Ala	Ile	Phe	Arg
		115						120				125			
Pro	Leu	His	Tyr	Val	Thr	Ile	Met	Ser	Arg	Gly	Arg	Cys	Thr	Ala	Leu
	130					135						140			
Ile	Ala	Ala	Ser	Trp	Val	Gly	Gly	Phe	Val	His	Ser	Ile	Val	Gln	Ile
145					150					155					160
Phe	Leu	Leu	Leu	Pro	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Val	Asp	Ser
			165						170					175	
Phe	Tyr	Cys	Asp	Val	Pro	Gln	Val	Leu	Lys	Leu	Ala	Cys	Thr	Asp	Thr
		180						185					190		
Phe	Val	Leu	Glu	Leu	Leu	Met	Ile	Ser	Asn	Asn	Gly	Leu	Ile	Thr	Thr
	195						200					205			
Leu	Trp	Phe	Val	Leu	Leu	Leu	Val	Ser	Tyr	Thr	Val	Ile	Leu	Thr	Met
	210					215					220				
Leu	Arg	Ser	His	Thr	Gly	Glu	Gly	Arg	Lys	Lys	Ala	Ile	Ser	Thr	Cys
225					230					235					240
Thr	Ser	His	Ile	Thr	Val	Val	Thr	Leu	His	Phe	Val	Pro	Cys	Ile	Tyr
			245						250					255	
Val	Tyr	Ala	Arg	Pro	Phe	Thr	Ala	Leu	Pro	Met	Asp	Arg	Ala	Val	Ser
		260						265					270		
Ile	Thr	Leu	Asn	Ile	Ile	Val	Pro	Val	Leu	Asn	Pro	Met	Ile	Tyr	Thr
	275						280					285			
Leu	Arg	Asn	Gln	Glu	Met	Lys	Ser	Ala	Met	Lys	Arg	Leu	Arg	Lys	Arg
	290					295					300				
Leu	Ile	Leu	Ser	Glu	Val	Glu									
305					310										

<210> 1756
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1756

Met	Ser	Gln	Ile	Asn	His	Thr	Asn	Val	Lys	Glu	Phe	Val	Phe	Leu	Ala
1				5					10					15	
Leu	Thr	Arg	Ile	Arg	Glu	Leu	Glu	Phe	Phe	Leu	Phe	Ser	Val	Phe	Phe
		20						25					30		
Leu	Val	Tyr	Val	Thr	Thr	Val	Leu	Gly	Asn	Thr	Leu	Ile	Val	Val	Thr
	35					40						45			
Ile	Thr	Ala	Glu	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Arg
	50					55					60				
Asn	Lys	Ser	Ile	Leu	Asp	Ile	Val	Phe	Ser	Ser	Ile	Thr	Val	Pro	Lys

65					70					75				80
Phe	Leu	Val	Asp	Leu	Leu	Ser	Glu	Arg	Lys	Ala	Ile	Ser	Tyr	Asn Gly
				85					90					95
Cys	Leu	Thr	Gln	Ile	Phe	Phe	Phe	His	Phe	Ala	Gly	Gly	Ala	Asp Ile
			100					105					110	
Phe	Phe	Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Ala Lys
		115					120				125			
Pro	Leu	His	Tyr	Val	Thr	Ile	Met	Arg	Arg	Glu	Val	Trp	Leu	Ala Leu
	130					135					140			
Val	Val	Ala	Ser	Trp	Val	Gly	Gly	Gly	Leu	His	Ser	Ile	Val	Gln Ile
145					150					155				160
Ile	Leu	Met	Leu	Pro	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Thr	Leu	Asp Ala
				165					170				175	
Phe	Tyr	Cys	Asp	Ile	Pro	Gln	Val	Val	Lys	Leu	Ala	Cys	Thr	Asp Thr
			180					185					190	
Phe	Ala	Leu	Glu	Leu	Leu	Met	Ile	Ser	Asn	Asn	Gly	Leu	Val	Thr Leu
		195					200					205		
Leu	Trp	Phe	Phe	Leu	Leu	Leu	Gly	Ser	Tyr	Thr	Ile	Ile	Leu	Val Met
	210					215					220			
Leu	Arg	Ser	His	Ser	Gly	Glu	Gly	Arg	Asn	Lys	Ala	Leu	Ser	Thr Cys
225					230					235				240
Thr	Ser	His	Ile	Met	Val	Val	Thr	Leu	His	Phe	Val	Pro	Cys	Val Tyr
				245					250					255
Ile	Tyr	Cys	Arg	Pro	Phe	Thr	Thr	Leu	Pro	Met	Asp	Thr	Ala	Ile Ser
			260					265					270	
Ile	Asn	Asn	Thr	Val	Ile	Thr	Pro	Met	Leu	Asn	Pro	Met	Ile	Tyr Thr
		275					280					285		
Leu	Arg	Asn	Gln	Glu	Met	Lys	Ser	Ala	Met	Lys	Arg	Leu	Gln	Arg Arg
	290					295					300			
Leu	Gly	Pro	Ser	Glu	Ser	Asn	Lys	Leu	Gly					
305					310									

<210> 1757
 <211> 320
 <212> PRT
 <213> Mus musculus

<400> 1757

Met	Gly	Asp	Arg	Glu	Thr	Ser	Asn	His	Ser	Asp	Met	Thr	Asp	Phe	Ile
1				5					10					15	
Leu	Val	Gly	Phe	Arg	Val	Ser	Pro	Glu	Leu	His	Ile	Leu	Leu	Phe	Leu
			20					25					30		
Leu	Phe	Leu	Leu	Val	Tyr	Ala	Met	Ile	Leu	Leu	Gly	Asn	Leu	Gly	Met
		35					40					45			
Met	Ala	Ile	Ile	Met	Thr	Asp	Pro	Arg	Leu	Asn	Thr	Pro	Met	Tyr	Phe
	50				55						60				
Phe	Leu	Gly	Asn	Leu	Ser	Phe	Ile	Asp	Leu	Phe	Tyr	Ser	Ser	Val	Ile
65					70					75					80
Ala	Pro	Lys	Ala	Met	Ser	Asn	Phe	Trp	Thr	Glu	Ser	Lys	Ser	Ile	Ser
			85						90					95	
Phe	Ala	Gly	Cys	Val	Ala	Gln	Ile	Phe	Leu	Phe	Ala	Leu	Phe	Ile	Val
		100						105					110		
Ala	Glu	Gly	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Ile	Ala
	115						120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Val	His	Met	Ser	Thr	Arg	Leu	Cys
	130					135					140				

Thr	Gln	Leu	Val	Ala	Gly	Ser	Tyr	Phe	Cys	Gly	Cys	Ile	Ser	Ser	Val
145					150					155					160
Leu	Gln	Thr	Ser	Met	Thr	Phe	Thr	Leu	Ser	Phe	Cys	Ala	Ser	Arg	Ala
				165					170						175
Ile	Asp	His	Phe	Tyr	Cys	Asp	Ser	Arg	Pro	Leu	Gln	Arg	Leu	Ser	Cys
			180					185					190		
Ser	Asp	Ile	Phe	Ile	His	Lys	Ile	Val	Ser	Phe	Ser	Leu	Ser	Gly	Ile
		195					200					205			
Ile	Ile	Leu	Pro	Thr	Ile	Thr	Val	Ile	Ile	Val	Ser	Tyr	Met	Tyr	Ile
	210					215					220				
Val	Ser	Thr	Val	Leu	Lys	Ile	Arg	Ser	Val	Glu	Gly	Arg	Lys	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Gly	Val	Val	Ser	Val	Leu	Tyr	Gly
			245					250						255	
Ala	Val	Phe	Phe	Met	Tyr	Leu	Thr	Pro	Asp	Arg	Phe	Pro	Glu	Leu	Ser
			260				265						270		
Lys	Leu	Ala	Ser	Leu	Cys	Tyr	Ser	Leu	Val	Thr	Pro	Met	Leu	Asn	Pro
	275						280					285			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Arg	Asp	Ala	Leu	Ser	Lys
	290					295					300				
Leu	Leu	Glu	Lys	Lys	Lys	Cys	Ser	Gly	Ser	Phe	Phe	Pro	Phe	Tyr	Lys
305					310					315					320

<210> 1758
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1758

Met	Gly	Asp	Arg	Glu	Thr	Ser	Asn	His	Ser	Asp	Met	Thr	Asp	Phe	Ile
1				5					10					15	
Leu	Val	Gly	Phe	Arg	Val	Ser	Pro	Glu	Leu	His	Ile	Leu	Leu	Phe	Leu
			20					25					30		
Leu	Phe	Leu	Leu	Val	Tyr	Ala	Met	Ile	Leu	Leu	Gly	Asn	Leu	Gly	Met
	35					40						45			
Met	Ala	Ile	Ile	Met	Thr	Asp	Pro	Arg	Leu	Asn	Thr	Pro	Met	Tyr	Phe
	50				55						60				
Phe	Leu	Gly	Asn	Leu	Ser	Phe	Ile	Asp	Leu	Phe	Tyr	Ser	Ser	Val	Ile
65				70					75					80	
Ala	Pro	Lys	Ala	Met	Ser	Asn	Phe	Trp	Thr	Glu	Ser	Lys	Ser	Ile	Ser
			85					90						95	
Phe	Ala	Gly	Cys	Val	Ala	Gln	Leu	Phe	Leu	Phe	Ala	Leu	Phe	Ile	Val
		100					105						110		
Ala	Glu	Gly	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Ile	Ala
	115					120						125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Val	His	Met	Ser	Thr	Arg	Leu	Cys
	130					135					140				
Thr	Gln	Leu	Val	Ala	Gly	Ser	Tyr	Phe	Cys	Gly	Cys	Ile	Ser	Ser	Val
145				150						155					160
Leu	Gln	Thr	Ser	Met	Thr	Phe	Thr	Leu	Ser	Phe	Cys	Ala	Ser	Arg	Ala
			165					170						175	
Ile	Asp	His	Phe	Tyr	Cys	Asp	Thr	Arg	Pro	Val	Gln	Arg	Leu	Ser	Cys
		180					185						190		
Asn	Asn	Leu	Phe	Val	His	Lys	Ile	Val	Ser	Phe	Ser	Leu	Ser	Ser	Ile
	195					200						205			
Ile	Ile	Leu	Pro	Thr	Val	Ile	Val	Ile	Ile	Val	Ser	Tyr	Met	Tyr	Ile

210		215		220
Val Ser Thr Val Leu Lys	Ile Arg Ser Val Glu Gly Arg Lys Lys Ala			
225	230	235	240	
Phe Ser Thr Cys Ser His Leu Gly Val Ser Val Leu Tyr Gly				
	245	250	255	
Ala Val Phe Phe Met Tyr Leu Thr Pro Asp Arg Phe Pro Glu Leu Ser				
	260	265	270	
Lys Leu Ala Ser Leu Cys Phe Ser Leu Val Thr Pro Met Leu Asn Pro				
	275	280	285	
Leu Ile Tyr Ser Leu Arg Asn Lys Asp Val Arg Asp Ala Leu Ser Lys				
	290	295	300	
Leu Leu Glu Lys Lys Lys Phe Ile Leu				
305	310			

<210> 1759
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1759

Met Ala Asn His Ser Ser Val Thr Lys Phe Ile Leu Leu Gly Leu Thr				
1	5	10	15	
Asn Asp Ile Asn Leu Gln Ala Val Leu Phe Leu Phe Leu Ile Leu Thr				
	20	25	30	
Tyr Ile Leu Ser Val Met Gly Asn Ser Ala Ile Ile Leu Leu Thr Leu				
	35	40	45	
Leu Asp His Arg Leu Gln Thr Pro Met Tyr Phe Phe Leu Arg Asn Phe				
	50	55	60	
Ala Phe Leu Glu Ile Ser Phe Thr Ser Val Phe Val Pro Lys Met Leu				
	65	70	75	80
Ile Asn Ile Gly Thr Gly Asp Lys Thr Ile Ser Phe Ala Gly Cys Phe				
	85	90	95	
Thr Gln Tyr Phe Phe Ala Ile Leu Leu Gly Ala Thr Glu Phe Tyr Leu				
	100	105	110	
Leu Ala Val Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys Arg Pro Leu				
	115	120	125	
His Tyr Thr Thr Ile Met Ser Arg Arg Leu Cys Phe Gln Leu Val Leu				
	130	135	140	
Ser Ser Trp Leu Ser Gly Phe Ile Val Val Ala Val Pro His Ala Met				
	145	150	155	160
Thr Leu Gln Leu Pro Phe Cys Ala Ser Asn Ile Ile Asn His Tyr Cys				
	165	170	175	
Cys Asp Tyr Thr Ile Leu Leu His Leu Ser Cys Ser Asp Thr His Phe				
	180	185	190	
Ile Glu Val Ile Gln Phe Leu Leu Ala Ala Val Thr Leu Ile Leu Thr				
	195	200	205	
Leu Leu Leu Val Ile Leu Ser Tyr Thr His Ile Ile Lys Thr Ile Leu				
	210	215	220	
Arg Ile Pro Ser Ala Gln Gln Arg Lys Lys Ala Phe Ser Thr Cys Ser				
	225	230	235	240
Ser His Met Ile Val Val Ser Leu Ser Tyr Gly Ser Cys Ile Phe Met				
	245	250	255	
Tyr Ile Asn Pro Ser Phe Lys Asp Ala Ala Asn Phe Asn Lys Arg Val				
	260	265	270	
Ala Val Leu Asn Thr Ser Val Ala Pro Leu Leu Asn Pro Phe Ile Tyr				
	275	280	285	

Thr Leu Arg Asn Lys Gln Val Lys Ile Ala Phe Lys Asp Met Leu Ser
 290 295 300
 Lys Thr Ile Ser Phe Phe Lys Lys
 305 310

<210> 1760
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1760
 Met Lys Leu Glu Gln Ser Arg Asn Tyr Thr Glu Leu Thr Asp Phe Ile
 1 5 10 15
 Leu Leu Gly Phe Trp Thr Ser Pro Glu Ala Gln Val Pro Leu Phe Leu
 20 25 30
 Leu Phe Leu Phe Ile Tyr Leu Val Ile Leu Leu Gly Asn Leu Ser Met
 35 40 45
 Leu Thr Val Ile Lys Ile Asp Ser Arg Leu His Thr Pro Met Tyr Phe
 50 55 60
 Phe Leu Gln Asn Leu Ser Phe Leu Asp Leu Cys Tyr Ser Thr Val Ile
 65 70 75 80
 Ala Pro Lys Thr Leu Ala Thr Ile Phe Ser Lys Glu Lys Lys Ile Ser
 85 90 95
 Tyr Asn Glu Cys Ala Thr Gln Phe Phe Phe Ala Leu Phe Val Gly
 100 105 110
 Thr Glu Gly Phe Leu Leu Ala Val Met Ala Tyr Asp Arg Phe Ser Ala
 115 120 125
 Ile Cys Ser Pro Phe Leu Tyr Thr Val His Met Ser Gln Pro Ala Cys
 130 135 140
 Ile Arg Leu Val Ala Gly Ser Tyr Ile Cys Gly Cys Ile Asn Ser Met
 145 150 155 160
 Ile Gln Thr Gly Phe Thr Phe Ser Leu Arg Phe Cys Gly Glu Asn Arg
 165 170 175
 Leu Asp His Phe Phe Cys Asp Val Pro Ala Leu Ile Lys Ile Ser Cys
 180 185 190
 Val Asp Thr Phe Val Asn Glu Ile Val Leu Phe Ile Leu Ser Ala Leu
 195 200 205
 Ile Ile Ile Ser Thr Ile Thr Ile Ile Leu Val Ser Tyr Ala Tyr Ile
 210 215 220
 Leu Ser Thr Val Leu Lys Ile Pro Ser Thr His Gly Arg Ser Lys Thr
 225 230 235 240
 Phe Ser Thr Cys Gly Ser His Ile Ala Val Val Ser Leu Phe Tyr Gly
 245 250 255
 Thr Val Phe Phe Met Tyr Ala Gln Pro Gly Ser Ile Ser Ser Pro Glu
 260 265 270
 Lys Ser Lys Ile Val Ala Val Phe Tyr Thr Leu Ile Ile Pro Met Leu
 275 280 285
 Asn Pro Leu Ile Tyr Ser Leu Arg Asn Thr Glu Val Lys Ser Ala Leu
 290 295 300
 Lys Lys Thr Leu Leu Arg Lys Ile Ser Trp Gln
 305 310 315

<210> 1761
 <211> 315
 <212> PRT

<213> Mus musculus

<400> 1761

Met	Lys	Leu	Glu	Gln	Ser	Arg	Asn	Tyr	Thr	Glu	Leu	Thr	Asp	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Phe	Trp	Thr	Ser	Pro	Glu	Ala	Arg	Val	Pro	Leu	Phe	Leu
		20						25					30		
Leu	Phe	Leu	Phe	Ile	Tyr	Leu	Val	Ile	Val	Leu	Gly	Asn	Leu	Ser	Met
		35					40					45			
Leu	Thr	Val	Ile	Lys	Ile	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Gln	Asn	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Tyr	Ser	Thr	Val	Ile
65					70					75					80
Ala	Pro	Lys	Ala	Leu	Ala	Thr	Phe	Phe	Ser	Lys	Glu	Lys	Lys	Ile	Ser
			85						90					95	
Tyr	Asn	Glu	Cys	Ala	Thr	Gln	Phe	Phe	Phe	Phe	Ala	Leu	Phe	Val	Gly
		100						105						110	
Thr	Glu	Gly	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Ser	Ala
	115					120						125			
Ile	Cys	Ser	Pro	Phe	Leu	Tyr	Thr	Val	His	Met	Ser	Gln	Pro	Ala	Cys
	130					135					140				
Ile	Arg	Leu	Val	Ala	Gly	Ser	Tyr	Ile	Cys	Gly	Cys	Ile	Asn	Ser	Met
145					150					155					160
Ile	Gln	Thr	Gly	Phe	Thr	Phe	Ser	Leu	Arg	Phe	Cys	Gly	Glu	Asn	Arg
			165						170					175	
Leu	Asp	His	Phe	Phe	Cys	Asp	Val	Pro	Ala	Leu	Ile	Lys	Ile	Ser	Cys
		180						185					190		
Val	Asp	Thr	Phe	Val	Asn	Glu	Ile	Val	Leu	Phe	Ile	Leu	Ser	Ala	Leu
	195						200					205			
Ile	Ile	Ile	Ser	Thr	Ile	Thr	Ile	Ile	Leu	Val	Ser	Tyr	Ala	Tyr	Ile
	210					215					220				
Leu	Ser	Thr	Val	Leu	Lys	Ile	Pro	Ser	Thr	His	Gly	Arg	Ser	Lys	Thr
225					230					235					240
Phe	Ser	Thr	Cys	Gly	Ser	His	Ile	Ala	Val	Val	Ser	Leu	Phe	Tyr	Gly
			245						250					255	
Thr	Val	Phe	Phe	Met	Tyr	Ala	Gln	Pro	Gly	Ser	Ile	Ser	Ser	Pro	Glu
		260						265					270		
Lys	Ser	Lys	Ile	Val	Ala	Val	Phe	Tyr	Thr	Leu	Ile	Ile	Pro	Met	Leu
	275						280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Thr	Glu	Val	Lys	Ser	Ala	Leu
	290					295					300				
Lys	Lys	Thr	Leu	Leu	Arg	Lys	Ile	Pro	Trp	His					
305					310					315					

<210> 1762

<211> 312

<212> PRT

<213> Mus musculus

<400> 1762

Met	Lys	Asn	His	Thr	Glu	Val	Thr	Val	Phe	Ile	Leu	Ala	Gly	Leu	Thr
1				5					10					15	
Asp	Asp	Pro	Gln	Trp	Lys	Val	Val	Leu	Phe	Ile	Phe	Leu	Leu	Leu	Thr
		20						25					30		
Tyr	Leu	Leu	Ser	Val	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Thr	Leu	Thr	Leu
		35					40					45			

Val	Asp	Thr	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe	
50						55					60					
Ser	Phe	Leu	Glu	Phe	Ser	Tyr	Thr	Thr	Thr	Cys	Ile	Pro	Lys	Leu	Leu	
65					70					75					80	
Val	Thr	Met	Ala	Thr	Gly	Asp	Lys	Thr	Ile	Ser	Tyr	Gly	Asn	Cys	Val	
				85					90					95		
Thr	Gln	Val	Phe	Phe	Ala	Phe	Leu	Phe	Gly	Ala	Ser	Glu	Phe	Tyr	Leu	
			100					105					110			
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	
		115					120					125				
His	Tyr	Met	Thr	Ile	Met	Asn	Asn	Lys	Val	Cys	Val	Gln	Leu	Val	Leu	
	130					135					140					
Ser	Cys	Trp	Leu	Ala	Gly	Phe	Phe	Val	Ile	Phe	Pro	Pro	Leu	Val	Leu	
145					150					155					160	
Gly	Leu	Asn	Leu	Glu	Phe	Cys	Ala	Ser	Asn	Ile	Val	Asp	His	Phe	Tyr	
				165					170					175		
Cys	Asp	Thr	Thr	Pro	Leu	Leu	Gln	Ile	Ser	Cys	Thr	Asp	Thr	Gln	Leu	
				180				185						190		
Leu	Glu	Thr	Met	Gly	Phe	Val	Ser	Ala	Leu	Val	Thr	Leu	Leu	Leu	Thr	
		195					200					205				
Leu	Val	Met	Val	Ile	Ile	Ser	Tyr	Thr	Tyr	Ile	Ala	Ile	Thr	Ile	Leu	
	210					215					220					
Lys	Ile	Pro	Ser	Thr	Glu	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser	
225					230					235					240	
Ser	His	Met	Ile	Val	Ile	Ser	Ile	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met	
				245					250					255		
Tyr	Val	Lys	Pro	Ser	Val	Lys	Gln	Arg	Ile	Ser	Ile	Ser	Lys	Gly	Ile	
			260					265						270		
Ser	Val	Leu	Asn	Thr	Ser	Val	Ala	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr	
		275					280					285				
Thr	Leu	Arg	Asn	Gln	Gln	Val	Lys	Lys	Ala	Phe	Ile	Thr	Thr	Val	His	
	290					295					300					
Arg	Ile	Ala	Ser	Ser	Ser	Lys	Lys									
305					310											

<210> 1763
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1763

Met	Lys	Asn	His	Thr	Arg	Val	Thr	Ile	Phe	Ile	Ile	Ala	Gly	Leu	Thr	
1				5					10					15		
Asp	Asp	Pro	Gln	Trp	Lys	Val	Val	Leu	Phe	Ile	Phe	Leu	Leu	Leu	Thr	
			20					25					30			
Tyr	Leu	Leu	Ser	Ile	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Thr	Leu	Thr	Leu	
		35				40						45				
Val	Asp	Thr	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe	
	50					55					60					
Ser	Phe	Leu	Glu	Ile	Ser	Tyr	Thr	Thr	Thr	Cys	Ile	Pro	Lys	Leu	Leu	
65					70					75					80	
Val	Thr	Met	Ala	Thr	Gly	Asp	Lys	Thr	Ile	Ser	Tyr	Asn	Asn	Cys	Ala	
				85					90					95		
Ala	Gln	Val	Phe	Phe	Ala	Phe	Leu	Leu	Gly	Ala	Ser	Glu	Phe	Tyr	Leu	
		100						105					110			
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	

Cys	Ser	Asn	Thr	Asn	Leu	Leu	Asp	Leu	Met	Ala	Phe	Ile	Leu	Ala	Leu
		195					200					205			
Met	Thr	Leu	Ile	Val	Thr	Leu	Val	Ile	Val	Ile	Phe	Ser	Tyr	Ala	His
		210				215					220				
Ile	Ala	Lys	Thr	Ile	Met	Lys	Phe	Pro	Ser	Val	Gln	Gln	Lys	Lys	Lys
225					230					235					240
Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Met	Ile	Val	Val	Ser	Leu	Thr	Tyr
				245					250					255	
Gly	Ser	Cys	Ile	Phe	Ile	Tyr	Ile	Lys	Pro	Ser	Ala	Asn	Glu	Arg	Val
			260					265					270		
Thr	Leu	Ser	Lys	Gly	Ile	Ala	Val	Leu	Asn	Thr	Ser	Val	Ala	Pro	Leu
		275					280					285			
Leu	Asn	Pro	Phe	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Gln	Val	Lys	Gln	Ala
	290					295					300				
Cys	Gly	Val	Val	Leu	Arg	Lys	Ile	Phe	Ser	Ala	Ser				
305					310					315					

<210> 1765

<211> 324

<212> PRT

<213> Mus musculus

<400> 1765

Met	Ser	Leu	Phe	Pro	Gln	Arg	Asn	Leu	Asp	Ala	Met	Asn	Arg	Ser	Ala
1				5					10					15	
Ala	His	Val	Thr	Glu	Phe	Val	Leu	Leu	Gly	Phe	Pro	Gly	Ser	Trp	Lys
			20					25					30		
Ile	Gln	Ile	Phe	Leu	Phe	Val	Leu	Phe	Leu	Val	Phe	Tyr	Val	Leu	Thr
	35						40					45			
Leu	Leu	Gly	Asn	Gly	Ala	Ile	Ile	Cys	Ala	Val	Arg	Cys	Asp	Ser	Arg
	50					55					60				
Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Gly	Asn	Phe	Ser	Phe	Leu	Glu
65				70					75						80
Ile	Trp	Tyr	Val	Ser	Ser	Thr	Ile	Pro	Asn	Ile	Leu	Ala	Asn	Ile	Leu
			85					90					95		
Ser	Lys	Thr	Lys	Ala	Ile	Ser	Phe	Ser	Gly	Cys	Phe	Leu	Gln	Phe	Tyr
		100						105					110		
Phe	Phe	Phe	Ser	Leu	Gly	Thr	Thr	Glu	Cys	Leu	Phe	Leu	Ala	Val	Met
		115				120						125			
Ala	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Arg	Pro	Leu	His	Tyr	Pro	Thr
	130					135					140				
Ile	Met	Thr	Arg	Arg	Leu	Cys	Cys	Ile	Leu	Val	Ser	Ser	Cys	Trp	Leu
145					150					155					160
Ile	Gly	Phe	Leu	Gly	Tyr	Pro	Ile	Pro	Ile	Phe	Ser	Ile	Ser	Gln	Leu
				165					170					175	
Pro	Phe	Cys	Gly	Ser	Asn	Ile	Ile	Asp	His	Phe	Leu	Cys	Asp	Met	Asp
		180						185					190		
Pro	Leu	Met	Ala	Leu	Ser	Cys	Ala	Pro	Ala	Pro	Ile	Thr	Glu	Phe	Ile
		195					200					205			
Phe	Tyr	Ala	Gln	Ser	Ser	Phe	Val	Leu	Phe	Phe	Thr	Ile	Ala	Tyr	Ile
	210					215					220				
Leu	Arg	Ser	Tyr	Ile	Leu	Leu	Leu	Arg	Ala	Val	Phe	Gln	Val	Pro	Ser
225					230					235					240
Ala	Ala	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Val
				245					250					255	
Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Val	Met	Val	Met	Tyr	Val	Ser	Pro

<210> 1767
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1767
 Met Lys Ala Phe Ser Ser Pro Ser Asn Ser Ser Ile Ile Thr Gly Phe
 1 5 10 15
 Ile Leu Leu Gly Phe Pro Cys Pro Lys Glu Gly Gln Ile Leu Leu Phe
 20 25 30
 Val Leu Phe Phe Ile Ile Tyr Ile Leu Thr Leu Met Gly Asn Ala Ser
 35 40 45
 Ile Ile Cys Ala Val Cys Tyr Asp Lys Lys Leu His Ser Pro Met Tyr
 50 55 60
 Leu Leu Leu Ala Asn Phe Ser Phe Leu Glu Ile Trp Tyr Val Thr Ser
 65 70 75 80
 Thr Val Pro Asn Met Leu Ala Asn Phe Leu Ser Asp Thr Lys Val Ile
 85 90 95
 Ser Phe Ser Gly Cys Phe Leu Gln Phe Tyr Phe Phe Phe Ser Leu Gly
 100 105 110
 Ser Thr Glu Cys Phe Phe Leu Ala Val Met Ala Phe Asp Arg Tyr Leu
 115 120 125
 Ala Ile Cys Arg Pro Leu His Tyr Pro Ser Leu Met Thr Gly Arg Leu
 130 135 140
 Cys Asn Ile Leu Val Ile Ser Cys Trp Met Leu Gly Phe Leu Trp Phe
 145 150 155 160
 Pro Val Pro Ile Ile Ile Ile Ser Gln Met Ser Phe Cys Gly Ser Arg
 165 170 175
 Ile Ile Asp His Phe Leu Cys Asp Pro Gly Pro Leu Leu Ala Leu Thr
 180 185 190
 Cys Val Arg Asn Ser Leu Ile Glu Met Thr Ser Ser Thr Leu Ser Ser
 195 200 205
 Leu Leu Leu Phe Val Pro Phe Phe Phe Ile Met Gly Ser Tyr Ala Leu
 210 215 220
 Val Met Arg Ala Val Leu Arg Val Pro Ser Ala Ala Gly Arg Arg Lys
 225 230 235 240
 Ala Phe Ser Thr Cys Gly Ser His Leu Thr Val Val Ser Leu Phe Tyr
 245 250 255
 Gly Ser Val Met Val Met Tyr Val Ser Pro Thr Ser Glu His Ala Ala
 260 265 270
 Gly Val Gln Lys Leu Val Thr Leu Phe Tyr Ser Val Val Thr Pro Leu
 275 280 285
 Leu Asn Pro Val Ile Tyr Ser Leu Arg Asn Arg Asp Met Lys His Ala
 290 295 300
 Met Lys Lys Leu Leu Lys Met
 305 310

<210> 1768
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1768
 Met Lys Thr Phe Ser Ser Pro Ser Asn Ser Ser Thr Thr Thr Gly Phe

1				5					10					15			
Ile	Leu	Leu	Gly	Phe	Pro	Cys	Pro	Arg	Glu	Gly	Gln	Ile	Leu	Leu	Phe		
			20					25					30				
Val	Leu	Phe	Ser	Ile	Val	Tyr	Leu	Leu	Thr	Leu	Met	Gly	Asn	Thr	Cys		
		35					40					45					
Ile	Ile	Phe	Ala	Val	Cys	Trp	Asp	Gln	Arg	Leu	His	Thr	Pro	Met	Tyr		
	50					55					60						
Leu	Leu	Leu	Ala	Asn	Phe	Ser	Phe	Leu	Glu	Ile	Trp	Tyr	Val	Thr	Ser		
65				70					75						80		
Thr	Val	Pro	Asn	Met	Leu	Ala	Asn	Phe	Leu	Ser	Asp	Thr	Lys	Val	Ile		
			85					90					95				
Ser	Phe	Ser	Gly	Cys	Phe	Leu	Gln	Phe	Tyr	Phe	Phe	Phe	Ser	Leu	Gly		
			100					105					110				
Ser	Thr	Glu	Cys	Leu	Phe	Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Tyr	Leu		
		115					120					125					
Ala	Ile	Cys	Arg	Pro	Leu	His	Tyr	Pro	Ala	Leu	Met	Thr	Gly	Ser	Leu		
	130					135					140						
Cys	Asn	Ile	Leu	Val	Ile	Ser	Cys	Trp	Val	Leu	Gly	Phe	Leu	Trp	Phe		
145				150						155					160		
Pro	Val	Pro	Ile	Ile	Ile	Ser	Gln	Met	Ser	Phe	Cys	Gly	Ser	Arg			
			165					170					175				
Ile	Ile	Asp	His	Phe	Leu	Cys	Asp	Pro	Gly	Pro	Leu	Leu	Ala	Leu	Thr		
		180						185					190				
Cys	Ser	Arg	Ala	Pro	Leu	Met	Glu	Val	Phe	Trp	Thr	Ile	Ile	Thr	Ser		
	195						200					205					
Leu	Ile	Leu	Phe	Val	Pro	Phe	Leu	Phe	Ile	Met	Gly	Ser	Tyr	Thr	Leu		
	210					215				220							
Val	Leu	Arg	Ala	Val	Phe	Arg	Val	Pro	Ser	Arg	Asp	Gly	Gln	Lys	Lys		
225				230						235					240		
Ala	Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Thr	Val	Val	Leu	Leu	Phe	Tyr		
			245						250					255			
Gly	Ser	Val	Met	Ile	Met	Tyr	Leu	Ser	Pro	Thr	Ser	Glu	His	Glu	Ala		
		260					265					270					
Gly	Met	Gln	Lys	Leu	Val	Thr	Leu	Phe	Tyr	Ser	Val	Val	Thr	Pro	Leu		
	275						280					285					
Val	Asn	Pro	Val	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	His	Ala		
	290					295					300						
Leu	Gln	Lys	Ile	Leu	Arg	Thr											
305					310												

<210> 1769
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1769

Met	Thr	Ser	Ala	Arg	Asn	Ala	Ser	His	Thr	Val	Ser	His	Phe	Ile	Leu		
1				5					10				15				
Leu	Gly	Phe	Pro	Cys	Arg	Arg	Glu	Ile	Gln	Ile	Phe	Leu	Phe	Ser	Ile		
		20					25					30					
Phe	Phe	Met	Ile	Tyr	Ile	Leu	Thr	Leu	Leu	Gly	Asn	Met	Ala	Ile	Val		
	35					40					45						
Tyr	Ala	Val	Tyr	Trp	Asp	His	Arg	Leu	His	Thr	Pro	Met	Tyr	Ile	Leu		
	50				55					60							
Leu	Ala	Asn	Phe	Ser	Phe	Leu	Glu	Ile	Cys	Tyr	Val	Asn	Ser	Asp	Val		
65				70					75					80			

Pro	Asn	Met	Leu	Val	Asn	Phe	Leu	Ser	Thr	Thr	Lys	Thr	Ile	Ser	Phe	
			85						90					95		
Thr	Arg	Cys	Leu	Leu	Gln	Leu	Tyr	Phe	Phe	Phe	Ser	Leu	Gly	Thr	Thr	
			100					105					110			
Glu	Cys	Leu	Phe	Leu	Ser	Ile	Met	Ala	Tyr	Asp	Arg	Phe	Leu	Ala	Ile	
		115					120					125				
Cys	Arg	Pro	Leu	His	Tyr	Pro	Thr	Val	Met	Thr	Thr	Met	Phe	Cys	Gly	
		130					135					140				
Asn	Leu	Val	Ile	Phe	Cys	Trp	Val	Tyr	Gly	Phe	Leu	Trp	Phe	Leu	Ile	
145					150					155					160	
Pro	Val	Ile	Leu	Ile	Thr	Gln	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	
			165						170					175		
Asp	Asp	Phe	Leu	Cys	Asp	Leu	Gly	Pro	Leu	Leu	Ala	Leu	Ala	Ser	Val	
		180						185					190			
Cys	Val	Pro	Ile	Pro	Gly	Thr	Val	Leu	Ile	Cys	Gly	Thr	Met	Ser	Ser	
		195					200					205				
Leu	Leu	Ile	Phe	Gly	Thr	Phe	Phe	Tyr	Ile	Ile	Gly	Ser	Tyr	Thr	Leu	
		210				215					220					
Val	Leu	Arg	Ala	Val	Ile	Arg	Met	Pro	Ser	Ser	Ala	Gly	Ser	Lys	Lys	
225					230					235					240	
Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Ala	Val	Val	Phe	Leu	Phe	Tyr	
			245						250					255		
Gly	Ser	Val	Met	Ile	Thr	Tyr	Val	Ser	Pro	Gly	Ser	Gly	Gln	Ala	Lys	
		260						265					270			
Gly	Met	Gln	Lys	Phe	Thr	Thr	Leu	Phe	Tyr	Ser	Val	Met	Thr	Pro	Phe	
		275					280					285				
Phe	Asn	Pro	Met	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Met	Lys	Asp	Ala	
	290					295					300					
Leu	Lys	Lys	Val	Val	Gly	Gly	Ser									
305					310											

<210> 1770
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1770

Met	Glu	Thr	Glu	Asn	Arg	Thr	Val	Val	Thr	Glu	Phe	Ile	Leu	Ile	Gly	
1				5					10					15		
Leu	Thr	Gln	Ser	His	Asp	Ile	Gln	Arg	Leu	Val	Phe	Val	Leu	Ser	Leu	
		20						25					30			
Ile	Phe	Tyr	Ile	Ile	Ile	Leu	Pro	Gly	Asn	Ile	Leu	Ile	Ile	Leu	Thr	
		35					40					45				
Ile	Arg	Ser	Asp	Pro	Gly	Leu	Thr	Ala	Pro	Leu	Tyr	Phe	Phe	Leu	Gly	
	50					55					60					
Asn	Leu	Ala	Phe	Leu	Asp	Ala	Ser	Tyr	Ser	Phe	Ile	Val	Ala	Pro	Arg	
65					70					75				80		
Met	Leu	Val	Asp	Phe	Phe	Ser	Glu	Lys	Lys	Ile	Ile	Ser	Tyr	Lys	Ala	
			85						90					95		
Cys	Ile	Thr	Gln	Leu	Phe	Phe	Leu	His	Phe	Leu	Gly	Gly	Gly	Glu	Gly	
		100						105					110			
Leu	Leu	Leu	Val	Val	Met	Ala	Phe	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Arg	
		115				120						125				
Pro	Leu	His	Tyr	Ser	Thr	Val	Met	Ser	Pro	Arg	Ala	Cys	Tyr	Val	Met	
	130					135					140					
Leu	Leu	Ala	Leu	Trp	Leu	Gly	Gly	Phe	Ile	His	Ser	Ile	Ile	Gln	Val	

145		150		155		160									
Val	Leu	Ile	Leu	Arg	Leu	Pro	Phe	Cys	Gly	Pro	Asn	His	Leu	Asp	Asn
				165					170					175	
Phe	Phe	Cys	Asp	Val	Pro	Gln	Val	Ile	Lys	Leu	Ala	Cys	Thr	Asp	Thr
			180					185					190		
Phe	Ala	Val	Glu	Leu	Leu	Met	Ile	Phe	Asn	Ser	Gly	Leu	Leu	Thr	Leu
		195					200					205			
Leu	Cys	Phe	Leu	Gly	Leu	Leu	Thr	Ser	Tyr	Ala	Val	Ile	Leu	Cys	His
	210					215					220				
Val	His	Arg	Ser	Ala	Ser	Glu	Gly	Lys	Asn	Lys	Ala	Ile	Ser	Thr	Cys
225					230					235					240
Thr	Thr	His	Val	Ile	Ile	Ile	Phe	Ile	Met	Phe	Gly	Pro	Ala	Ile	Phe
			245					250						255	
Ile	Tyr	Thr	Arg	Pro	Phe	Thr	Ala	Leu	Ser	Ala	Asp	Lys	Val	Val	Ser
			260				265						270		
Phe	Phe	His	Thr	Val	Ile	Phe	Pro	Leu	Met	Asn	Pro	Val	Ile	Tyr	Thr
		275				280					285				
Leu	Arg	Asn	Gln	Glu	Val	Lys	Thr	Ser	Met	Lys	Lys	Leu	Ile	Ile	Arg
	290					295					300				
His	Ile	Ile	Cys												
305															

<210> 1771
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1771

Met	Glu	Pro	Ala	Asn	Asp	Thr	Thr	Val	Thr	Glu	Phe	Ile	Leu	Thr	Gly
1				5				10					15		
Leu	Ser	Gln	Thr	Arg	Glu	Val	Gln	Leu	Val	Leu	Phe	Val	Ile	Phe	Leu
		20					25					30			
Ser	Phe	Tyr	Leu	Phe	Ile	Leu	Pro	Val	Asn	Ile	Leu	Ile	Ile	Cys	Thr
	35					40					45				
Ile	Arg	Leu	Asp	Ser	His	Leu	Ser	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Ala
	50				55					60					
Asn	Leu	Ala	Phe	Leu	Asp	Ile	Trp	Tyr	Ser	Ser	Ile	Thr	Ala	Pro	Lys
65				70				75						80	
Met	Leu	Val	Asp	Phe	Phe	Val	Glu	Arg	Lys	Ile	Ile	Ser	Phe	Gly	Gly
			85					90					95		
Cys	Ile	Ala	Gln	Leu	Phe	Phe	Leu	His	Phe	Val	Gly	Ala	Ser	Glu	Met
		100					105					110			
Phe	Leu	Leu	Thr	Val	Met	Ala	Phe	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Arg
	115					120					125				
Pro	Leu	His	Tyr	Ala	Thr	Ile	Met	Asn	Arg	Arg	Leu	Cys	Cys	Ile	Leu
	130				135						140				
Val	Ala	Leu	Ser	Trp	Thr	Gly	Gly	Phe	Val	His	Ser	Ile	Ile	Gln	Val
145				150				155						160	
Ala	Leu	Ile	Val	Arg	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Glu	Leu	Asp	Asn
			165					170					175		
Tyr	Phe	Cys	Asp	Ile	Thr	Gln	Val	Val	Arg	Ile	Ala	Cys	Ala	Asn	Thr
		180				185					190				
Phe	Leu	Glu	Glu	Met	Val	Met	Ile	Phe	Ser	Ser	Gly	Leu	Ile	Ser	Val
	195					200					205				
Val	Cys	Phe	Ile	Ala	Leu	Leu	Met	Ser	Tyr	Ala	Phe	Leu	Leu	Thr	Met
	210					215					220				

Leu	Lys	Lys	His	Ser	Ser	Ser	Gly	Glu	Ser	Thr	Ser	Arg	Ala	Ile	Ser
225					230					235					240
Thr	Cys	Tyr	Ser	His	Ile	Thr	Ile	Val	Val	Leu	Met	Phe	Gly	Pro	Ser
				245					250					255	
Ile	Tyr	Ile	Tyr	Ala	Arg	Pro	Phe	Asp	Ser	Phe	Ser	Leu	Asp	Lys	Val
			260					265					270		
Val	Ser	Val	Phe	His	Thr	Val	Ile	Phe	Pro	Leu	Leu	Asn	Pro	Ile	Ile
		275					280					285			
Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ala	Ala	Met	Arg	Lys	Leu	Val
	290					295					300				
Asn	Arg	Tyr	Ile	Phe	Cys	Lys	Glu	Lys							
305					310										

<210> 1772
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1772

Met	Glu	Thr	Glu	Asn	Arg	Thr	Val	Val	Thr	Glu	Phe	Ile	Phe	Thr	Gly
1				5					10					15	
Leu	Thr	Glu	Ser	Leu	Asp	Ile	Gln	Arg	Leu	Val	Phe	Val	Leu	Ser	Leu
			20					25					30		
Ile	Phe	Tyr	Ile	Ile	Ile	Leu	Pro	Gly	Asn	Val	Phe	Ile	Ile	Leu	Thr
		35					40					45			
Ile	Ile	Ser	Asp	Pro	Gly	Leu	Thr	Ala	Pro	Leu	Tyr	Leu	Phe	Leu	Gly
	50					55				60					
Asn	Leu	Ala	Phe	Leu	Asp	Ala	Ser	Tyr	Ser	Phe	Ile	Val	Ala	Pro	Arg
65				70					75					80	
Met	Leu	Ile	Asp	Ile	Phe	Ser	Glu	Lys	Lys	Ile	Ile	Ser	Tyr	Lys	Ala
			85					90					95		
Cys	Ile	Thr	Gln	Leu	Phe	Phe	Leu	His	Phe	Leu	Gly	Gly	Gly	Glu	Phe
			100				105					110			
Leu	Leu	Leu	Val	Val	Met	Ala	Phe	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Arg
		115				120						125			
Pro	Leu	Tyr	Tyr	Ser	Thr	Val	Met	Asn	Pro	Arg	Val	Cys	Tyr	Val	Met
	130					135					140				
Leu	Leu	Ala	Pro	Trp	Leu	Gly	Gly	Phe	Ile	His	Ser	Ile	Ile	Gln	Val
145				150					155					160	
Val	Leu	Ile	Leu	Arg	Leu	Pro	Phe	Cys	Gly	Pro	Asn	His	Leu	Asp	Asn
			165					170					175		
Phe	Phe	Cys	Asp	Val	Pro	Gln	Val	Ile	Lys	Leu	Ala	Cys	Thr	Asp	Thr
		180					185						190		
Phe	Ala	Val	Glu	Leu	Leu	Met	Ile	Phe	Asn	Ser	Gly	Leu	Leu	Thr	Leu
	195					200					205				
Val	Cys	Phe	Leu	Gly	Leu	Leu	Thr	Ser	Tyr	Ala	Val	Ile	Leu	Cys	His
	210					215					220				
Val	His	Arg	Ser	Ala	Ser	Glu	Gly	Lys	Asn	Lys	Ala	Ile	Ser	Thr	Cys
225				230					235					240	
Thr	Thr	His	Val	Ile	Ile	Ile	Phe	Leu	Met	Phe	Gly	Pro	Ala	Ile	Phe
			245					250						255	
Ile	Tyr	Thr	Arg	Pro	Phe	Thr	Ala	Leu	Ser	Ala	Asp	Lys	Val	Val	Ser
			260				265						270		
Phe	Phe	His	Thr	Val	Ile	Phe	Pro	Leu	Leu	Asn	Pro	Val	Ile	Tyr	Thr
	275					280					285				
Leu	Arg	Asn	Gln	Glu	Val	Lys	Thr	Ser	Met	Lys	Lys	Leu	Phe	Ile	Arg

290
Gln Val Ile Cys
305

295

300

<210> 1773
<211> 312
<212> PRT
<213> Mus musculus

<400> 1773
Met Asn Asn His Ser Ser Ser Ser Ser Ser Thr Ser Asp Phe Ile Leu
1 5 10 15
Leu Gly Leu Ser Thr Asn Pro Trp Met Gln Lys Pro Leu Phe Gly Ile
20 25 30
Phe Ile Ile Met Tyr Leu Val Thr Val Met Gly Asn Val Leu Ile Ile
35 40 45
Leu Val Ile Arg Ser Asp Ser Arg Leu His Thr Pro Met Tyr Phe Phe
50 55 60
Leu Ser Asn Leu Ser Phe Met Asp Ile Cys Phe Thr Thr Val Ile Val
65 70 75 80
Pro Lys Met Leu Val Asn Phe Leu Ser Glu Thr Lys Thr Ile Ser Tyr
85 90 95
Val Gly Cys Leu Val Gln Met Tyr Phe Met Ala Leu Gly Asn Thr
100 105 110
Asp Ser Tyr Leu Leu Ala Ser Met Ala Ile Asp Arg Leu Val Ala Ile
115 120 125
Cys Asn Pro Leu His Tyr Asp Val Val Met Arg Pro Gln Arg Cys Leu
130 135 140
Leu Met Leu Leu Gly Ser Cys Thr Ile Ser His Leu His Ala Leu Phe
145 150 155 160
Arg Val Leu Leu Met Ser Arg Leu Ser Phe Cys Ala Ser His Val Ile
165 170 175
Lys His Phe Phe Cys Asp Thr Gln Pro Val Leu Lys Leu Ser Cys Ser
180 185 190
Asp Thr Ser Ser Ser Gln Ile Val Val Met Thr Glu Thr Leu Ala Val
195 200 205
Ile Val Thr Pro Phe Leu Cys Ile Leu Phe Ser Tyr Met Arg Ile Ile
210 215 220
Val Thr Val Leu Arg Ile Pro Ser Ala Ala Gly Lys Trp Lys Ala Phe
225 230 235 240
Ser Thr Cys Gly Ser His Leu Thr Val Val Leu Phe Tyr Gly Ser
245 250 255
Ile Ile Tyr Val Tyr Phe Arg Pro Leu Ser Met Tyr Ser Val Val Lys
260 265 270
Asp Arg Val Ala Thr Val Met Tyr Thr Val Val Thr Pro Met Met Asn
275 280 285
Pro Phe Ile Tyr Ser Leu Arg Asn Lys Asp Met Lys Arg Gly Leu Arg
290 295 300
Lys Leu Met Gly Lys Val His Leu
305 310

<210> 1774
<211> 318
<212> PRT
<213> Mus musculus

<400> 1774

Met	Asp	Gly	Ser	Thr	Leu	Gln	Ser	Pro	Gln	Gln	Asn	His	Ser	Thr	Phe
1				5					10					15	
Val	Ala	Phe	Ile	Leu	Leu	Gly	Phe	Ser	Asp	Val	Pro	Asn	Leu	Gln	Glu
			20					25					30		
Phe	Leu	Phe	Gly	Leu	Phe	Leu	Met	Val	Tyr	Leu	Ile	Ile	Leu	Met	Gly
		35					40					45			
Asn	Ser	Leu	Ile	Ile	Ile	Ile	Ile	Arg	Ala	Asp	Pro	Ser	Leu	Gln	Thr
	50					55					60				
Pro	Met	Tyr	Phe	Phe	Leu	Gly	Asn	Phe	Ser	Phe	Leu	Glu	Met	Cys	Tyr
65					70					75					80
Val	Ser	Val	Thr	Leu	Pro	Arg	Leu	Leu	Thr	Asp	Leu	Tyr	Arg	Gln	Asp
				85					90					95	
Arg	Ile	Ile	Ser	Phe	Met	Ala	Cys	Ala	Thr	Gln	Met	Tyr	Phe	Phe	Leu
			100					105					110		
Ile	Phe	Gly	Ala	Thr	Glu	Cys	Phe	Ile	Leu	Thr	Ala	Met	Ala	Tyr	Asp
		115					120					125			
Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Pro	Leu	Ile	Met	Asn
	130					135					140				
Asn	Ser	Leu	Cys	Ile	Gln	Leu	Ala	Ala	Gly	Cys	Trp	Ile	Ser	Gly	Val
145					150					155					160
Pro	Val	His	Ile	Gly	Phe	Thr	Tyr	Trp	Ile	Phe	Ser	Leu	Pro	Phe	Cys
			165						170					175	
Gly	Ser	Asn	Gln	Leu	Asn	His	Phe	Phe	Cys	Asp	Ile	Pro	Pro	Val	Leu
			180					185				190			
Thr	Leu	Ala	Cys	Gly	Asp	Thr	Phe	Met	Ile	Glu	Met	Leu	Ile	Tyr	Val
		195					200					205			
Ile	Ala	Leu	Leu	Val	Val	Thr	Ile	Pro	Phe	Met	Leu	Ile	Leu	Ala	Ser
	210					215					220				
Tyr	Val	Lys	Ile	Ile	Ser	Ser	Ile	Leu	Lys	Leu	Pro	Ser	Ala	Thr	Gly
225					230					235					240
Arg	Ala	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Ile	Val	Val	Ala
			245						250					255	
Leu	Phe	Phe	Gly	Ser	Gly	Ile	Ile	Thr	Tyr	Leu	Arg	Pro	Lys	Ser	Ser
		260						265				270			
His	Ser	Ala	Gly	Val	Asp	Lys	Phe	Leu	Ser	Leu	Phe	Tyr	Thr	Val	Val
	275						280					285			
Thr	Pro	Met	Phe	Asn	Pro	Met	Ile	Tyr	Cys	Leu	Arg	Asn	Lys	Asp	Val
	290					295					300				
Met	Ile	Ala	Leu	Lys	Lys	Ile	Phe	Leu	Arg	Cys	Phe	Met	Leu		
305					310					315					

<210> 1775

<211> 310

<212> PRT

<213> Mus musculus

<400> 1775

Met	Asp	Glu	Gly	Asn	Cys	Ser	Ser	Asn	Thr	Glu	Phe	Val	Leu	Leu	Gly
1				5					10					15	
Ile	Thr	Asn	Asn	Pro	Ser	Met	Lys	Val	Gly	Leu	Phe	Ile	Val	Phe	Leu
			20					25					30		
Ile	Ile	Tyr	Leu	Ile	Ile	Leu	Val	Ala	Asn	Ile	Gly	Met	Ile	Val	Leu
		35					40					45			
Ile	Lys	Leu	Asp	Pro	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser

50		55		60	
His	Leu	Ser	Phe	Ser	Asp
65		70		75	
Met	Leu	Val	Asp	Leu	Met
		85		90	
Cys	Ala	Leu	Gln	Phe	Phe
		100		105	
Met	Leu	Leu	Ala	Val	Met
		115		120	
Pro	Leu	Met	Tyr	Val	Val
		130		135	
Leu	Ala	Gly	Val	Tyr	Leu
145				150	
Ile	Met	Thr	Phe	Gly	Leu
				165	
Phe	Phe	Cys	Asp	Ile	Pro
				180	
Gln	Thr	Asn	Glu	Leu	Ile
				195	
Ser	Thr	Ile	Ser	Gly	Val
				210	
Val	Leu	Lys	Ile	Arg	Ser
225				230	
Cys	Ala	Ser	His	Leu	Thr
				245	
Phe	Met	Tyr	Phe	Arg	Pro
				260	
Ile	Thr	Ser	Leu	Phe	Tyr
				275	
Ile	Tyr	Ser	Leu	Arg	Asn
				290	
Lys	Lys	Lys	Ile	Phe	Phe
305					310

<210> 1776
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1776
Met Asp Lys Arg Asn Cys Ser Ser Val Pro Glu Phe Leu Leu Leu Gly
1 5 10 15
Ile Thr Asn Lys Pro Glu Met Lys Val Ala Leu Phe Ile Val Phe Leu
20 25 30
Ile Val Tyr Leu Thr Ile Leu Leu Thr Asn Val Gly Met Ile Thr Leu
35 40 45
Ile Arg Met Asp Pro Gln Leu His Thr Pro Met Tyr Phe Phe Leu Ser
50 55 60
His Leu Ser Phe Ser Asp Leu Cys Tyr Ser Thr Ala Val Gly Pro Lys
65 70 75 80
Met Leu Leu Asp Leu Leu Glu Asp Asn Asn Pro Ile Ser Phe Val Gly
85 90 95
Cys Phe Leu Gln Leu Leu Ile Val Ser Ile Phe Ile Asp Val Glu Cys
100 105 110
Met Leu Leu Ala Val Met Ala Phe Asp Arg Tyr Lys Ala Ile Ser Asn
115 120 125

Pro	Leu	Met	Tyr	Ala	Val	Asp	Met	Ser	Ser	Arg	Val	Cys	Tyr	Gln	Phe
130						135					140				
Leu	Thr	Ala	Ile	Tyr	Val	Phe	Gly	Thr	Ile	Asp	Gly	Phe	Ile	His	Thr
145					150					155					160
Ser	Leu	Ala	Phe	Ser	Leu	Cys	Phe	Cys	His	Ser	Thr	Gln	Ile	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Pro	Pro	Val	Leu	Leu	Ser	Cys	Ser	Asp	Thr	
			180					185				190			
His	Ile	Asn	Glu	Leu	Val	Leu	Phe	Met	Leu	Phe	Gly	Phe	Ile	Glu	Leu
		195					200					205			
Ser	Thr	Ile	Ser	Gly	Val	Leu	Val	Ser	Tyr	Cys	Tyr	Ile	Ile	Ser	Ser
	210					215					220				
Val	Leu	Lys	Ile	Ser	Ser	Thr	Gly	Gly	Trp	Phe	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Gly	Ile	Phe	Gln	Gly	Thr	Met	Leu
				245					250					255	
Phe	Met	Tyr	Phe	Arg	Pro	Ser	Ser	Ala	Tyr	Ser	Leu	Asp	Gln	Asp	Lys
			260					265					270		
Met	Thr	Ser	Ile	Phe	Tyr	Leu	Leu	Val	Ile	Pro	Met	Ile	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Leu	Val	Arg	Leu
	290				295						300				
Arg	Ser	Lys	Trp	Trp	Phe										
305					310										

<210> 1777
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1777

Met	Asp	Ile	Gly	Asn	Cys	Ser	Leu	Asn	Glu	Phe	Ile	Phe	Val	Gly	Val
1				5					10					15	
Thr	Asn	Asn	Pro	Glu	Met	Lys	Gly	Thr	Leu	Phe	Thr	Ile	Phe	Leu	Leu
			20					25					30		
Ile	Tyr	Leu	Ile	Asn	Leu	Leu	Gly	Asn	Ile	Gly	Met	Ile	Ile	Leu	Ile
	35					40					45				
Arg	Met	Asp	Pro	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His
	50					55				60					
Leu	Ser	Phe	Cys	Asp	Leu	Cys	Tyr	Ser	Thr	Ala	Ile	Gly	Pro	Lys	Met
65				70					75					80	
Leu	Leu	Asp	Met	Phe	Gly	Lys	Asn	Lys	Ser	Ile	Pro	Phe	Trp	Gly	Cys
			85					90						95	
Ala	Leu	Gln	Leu	Phe	Ile	Phe	Cys	Val	Phe	Ala	Asp	Ser	Glu	Cys	Val
			100					105					110		
Leu	Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Tyr	Gln	Ala	Ile	Ser	Asn	Pro
		115					120					125			
Leu	Leu	Tyr	Thr	Ala	Asn	Met	Ser	Ser	Arg	Lys	Cys	Phe	Met	Phe	Met
	130				135						140				
Ala	Gly	Val	Tyr	Leu	Val	Gly	Thr	Ala	Asp	Ala	Leu	Ile	His	Thr	Thr
145					150				155						160
Leu	Ala	Phe	Arg	Leu	Cys	Phe	Cys	Gly	Ser	Asn	Glu	Ile	Asn	His	Phe
			165					170						175	
Phe	Cys	Asp	Leu	Pro	Pro	Leu	Tyr	Leu	Leu	Ser	Cys	Ser	Asp	Thr	Gln
		180					185					190			
Val	Asn	Tyr	Leu	Ala	Leu	Phe	Thr	Ile	Tyr	Gly	Phe	Leu	Glu	Leu	Ser

		195					200				205								
Thr	Ile	Ser	Gly	Val	Leu	Val	Ser	Tyr	Cys	Tyr	Ile	Ile	Ser	Ser	Ile				
	210					215					220								
Leu	Lys	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Phe	Lys	Ala	Phe	Ser	Thr	Cys				
225					230					235					240				
Thr	Ser	His	Leu	Thr	Ala	Val	Ala	Ile	Phe	Gln	Gly	Thr	Leu	Leu	Phe				
			245						250					255					
Thr	Tyr	Phe	Arg	Pro	Ser	Ser	Ser	Tyr	Ser	Leu	Asp	Gln	Asp	Lys	Met				
		260						265				270							
Thr	Ser	Leu	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile				
	275					280						285							
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Leu	Lys	Lys	Ile	Lys				
	290					295					300								
Arg	Lys	Arg	Trp	Phe															
305																			

<210> 1778

<211> 307

<212> PRT

<213> Mus musculus

<400> 1778

Met	Asn	Ile	Gly	Asn	Cys	Ser	Leu	Asn	Glu	Phe	Ile	Phe	Val	Gly	Val				
1				5				10					15						
Thr	Asn	Asn	Pro	Glu	Met	Lys	Gly	Thr	Leu	Phe	Thr	Ile	Phe	Leu	Leu				
			20				25					30							
Ile	Tyr	Leu	Ile	Asn	Leu	Leu	Gly	Asn	Ile	Gly	Met	Ile	Ile	Leu	Ile				
	35			40				45											
Arg	Met	Asp	Pro	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His				
	50			55				60											
Leu	Ser	Phe	Cys	Asp	Leu	Cys	Tyr	Ser	Thr	Ala	Ile	Gly	Pro	Lys	Met				
65				70				75						80					
Leu	Val	Asp	Met	Phe	Gly	Lys	Asn	Lys	Ser	Ile	Pro	Phe	Trp	Gly	Cys				
			85				90						95						
Ala	Val	Gln	Phe	Phe	Ile	Ser	Cys	Thr	Phe	Ala	Asp	Ser	Glu	Cys	Val				
	100						105					110							
Leu	Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Tyr	Gln	Ala	Ile	Ser	Asn	Pro				
	115			120				125											
Leu	Leu	Tyr	Thr	Ala	Asn	Met	Ser	Ser	Arg	Lys	Cys	Phe	Met	Phe	Met				
	130			135				140											
Ala	Gly	Val	Tyr	Leu	Val	Gly	Thr	Ser	Asp	Ala	Leu	Ile	His	Thr	Thr				
145				150				155						160					
Leu	Ala	Phe	Arg	Leu	Cys	Phe	Cys	Gly	Ser	Asn	Glu	Ile	Asn	His	Phe				
			165				170						175						
Phe	Cys	Asp	Leu	Pro	Pro	Leu	Tyr	Leu	Leu	Ser	Cys	Ser	Asp	Thr	Gln				
	180						185					190							
Val	Asn	Tyr	Leu	Ala	Leu	Phe	Thr	Ile	Tyr	Gly	Phe	Leu	Glu	Leu	Ser				
	195					200					205								
Thr	Ile	Ser	Gly	Val	Leu	Val	Ser	Tyr	Cys	Tyr	Ile	Ile	Ser	Ser	Val				
	210				215						220								
Leu	Lys	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Phe	Lys	Ala	Phe	Ser	Thr	Cys				
225				230				235						240					
Thr	Ser	His	Leu	Thr	Ala	Val	Ala	Ile	Phe	Gln	Gly	Thr	Leu	Leu	Phe				
			245					250					255						
Thr	Tyr	Phe	Arg	Pro	Ser	Ser	Ser	Tyr	Ser	Leu	Asp	Gln	Asp	Lys	Met				
	260						265					270							

Thr	Ser	Leu	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Leu	Gly	Lys	Met	Lys
		290				295					300				
Arg	Lys	Arg													
305															

<210> 1779
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1779

Met	Arg	Ala	Asn	Gln	Thr	Trp	Ile	Thr	Glu	Val	Thr	Leu	Leu	Gly	Phe
1				5					10					15	
Gln	Ala	Asp	Leu	Ser	Val	Glu	Cys	Phe	Leu	Phe	Gly	Leu	Phe	Ser	Leu
			20					25					30		
Phe	Tyr	Ser	Phe	Thr	Leu	Leu	Gly	Asn	Gly	Ile	Ile	Leu	Val	Val	Ile
		35					40					45			
Cys	Leu	Asp	Asn	Arg	Leu	His	Ile	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His
	50					55					60				
Leu	Ala	Ile	Val	Asp	Met	Ser	Tyr	Ala	Ser	Asn	Val	Pro	Lys	Met	
65					70					75				80	
Leu	Ala	Asn	Leu	Val	Thr	Gln	Arg	Arg	Thr	Ile	Ser	Phe	Ile	Leu	Cys
				85					90					95	
Ile	Met	Gln	Thr	Phe	Leu	Tyr	Leu	Ala	Phe	Ala	Cys	Thr	Glu	Cys	Leu
			100					105					110		
Ile	Leu	Val	Val	Met	Ser	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His	Pro
		115					120					125			
Leu	His	Tyr	Thr	Val	Ile	Met	Ser	Trp	Lys	Val	Cys	Thr	Ile	Leu	Ala
		130				135					140				
Ala	Val	Ser	Trp	Ile	Ala	Gly	Phe	Leu	Leu	Ala	Leu	Val	His	Leu	Val
145					150					155					160
Leu	Ile	Leu	Lys	Leu	Pro	Phe	Cys	Gly	Pro	His	Glu	Ile	Asn	His	Phe
				165				170						175	
Phe	Cys	Glu	Ile	Leu	Ser	Val	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr	Thr
			180					185					190		
Leu	Asn	Gln	Val	Val	Ile	Leu	Ala	Ala	Cys	Val	Phe	Ile	Leu	Val	Gly
		195					200					205			
Pro	Leu	Cys	Leu	Val	Leu	Val	Ser	Tyr	Thr	Arg	Ile	Leu	Val	Thr	Ile
	210					215					220				
Leu	Arg	Ile	Gln	Ser	Gly	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Leu	Cys	Val	Val	Gly	Leu	Phe	Phe	Gly	Ser	Ala	Ile	Val
				245					250					255	
Met	Tyr	Met	Ala	Pro	Lys	Ser	Gln	His	Pro	Glu	Leu	Gln	Gln	Lys	Ile
			260					265						270	
Leu	Ser	Leu	Phe	Tyr	Ser	Leu	Phe	Asn	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Cys	Leu	Arg	Asn	Ala	Glu	Val	Lys	Gly	Ala	Leu	Arg	Arg	Ser	Leu
	290					295					300				
Trp	Lys	Glu	Arg	Pro	Met										
305					310										

<210> 1780

<211> 310
 <212> PRT
 <213> Mus musculus

<400> 1780

Met	Arg	Ala	Asn	Gln	Thr	Trp	Ile	Thr	Glu	Val	Thr	Leu	Leu	Gly	Phe
1				5					10					15	
Gln	Ala	Asp	Leu	Ala	Val	Glu	Cys	Phe	Leu	Phe	Gly	Leu	Phe	Ser	Leu
		20						25					30		
Phe	Tyr	Ser	Phe	Thr	Leu	Leu	Gly	Asn	Gly	Ile	Ile	Leu	Val	Val	Ile
		35					40					45			
Cys	Leu	Asp	Asn	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His
	50					55					60				
Leu	Ala	Ile	Val	Asp	Met	Ser	Tyr	Ala	Ser	Asn	Asn	Val	Pro	Lys	Met
65					70					75					80
Leu	Ala	Asn	Leu	Val	Thr	Gln	Arg	Arg	Thr	Ile	Ser	Phe	Ile	Pro	Cys
			85						90					95	
Ile	Met	Gln	Thr	Phe	Leu	Tyr	Leu	Ala	Phe	Ala	Ser	Ile	Glu	Cys	Leu
		100						105					110		
Ile	Leu	Val	Val	Met	Ser	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His	Pro
	115						120						125		
Leu	His	Tyr	Thr	Val	Ile	Met	Ser	Trp	Arg	Val	Cys	Thr	Ile	Met	Ala
	130					135					140				
Ala	Val	Ser	Trp	Ile	Val	Gly	Phe	Leu	Leu	Ala	Leu	Val	His	Leu	Ile
145					150					155					160
Leu	Ile	Leu	Arg	Leu	Pro	Phe	Cys	Gly	Pro	His	Lys	Val	Asn	His	Phe
			165						170					175	
Phe	Cys	Glu	Ile	Leu	Ser	Val	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr	Thr
		180						185					190		
Leu	Asn	Gln	Val	Val	Ile	Phe	Ala	Ala	Cys	Val	Phe	Ile	Leu	Val	Gly
	195						200					205			
Pro	Leu	Cys	Met	Val	Leu	Val	Ser	Tyr	Thr	Arg	Ile	Leu	Val	Ala	Ile
	210					215					220				
Leu	Arg	Ile	Gln	Ser	Gly	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Leu	Cys	Val	Val	Gly	Leu	Phe	Phe	Gly	Ser	Ala	Ile	Val
			245						250					255	
Met	Tyr	Met	Ala	Pro	Lys	Ser	Gln	His	Pro	Glu	Met	Gln	Gln	Lys	Ile
		260						265					270		
Leu	Ser	Leu	Phe	Tyr	Ser	Leu	Phe	Asn	Pro	Met	Leu	Asn	Pro	Leu	Ile
	275						280					285			
Tyr	Cys	Leu	Arg	Asn	Ala	Glu	Val	Lys	Gly	Ala	Leu	Arg	Arg	Ser	Leu
	290					295					300				
Leu	Lys	Glu	Arg	Ser	Met										
305					310										

<210> 1781
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1781

Met	Lys	Ala	Asn	Gln	Thr	Trp	Ile	Thr	Glu	Val	Thr	Leu	Leu	Gly	Phe
1				5					10					15	
Gln	Ala	Asp	Leu	Ala	Val	Glu	Cys	Phe	Leu	Phe	Gly	Leu	Phe	Ser	Leu
		20						25					30		

Phe	Tyr	Ser	Phe	Thr	Leu	Leu	Gly	Asn	Gly	Ile	Ile	Phe	Gly	Ile	Ile
	35						40					45			
Cys	Leu	Asp	His	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His
	50					55					60				
Leu	Ala	Ile	Val	Asp	Met	Ser	Tyr	Ala	Ser	Asn	Val	Pro	Lys	Met	
65					70					75				80	
Leu	Ala	Asn	Leu	Val	Thr	Gln	Arg	Arg	Thr	Ile	Ser	Phe	Ile	Pro	Cys
				85					90					95	
Leu	Met	Gln	Thr	Phe	Leu	Tyr	Leu	Ala	Phe	Ala	His	Ile	Glu	Cys	Leu
			100					105					110		
Ile	Leu	Val	Val	Met	Ser	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His	Pro
	115						120					125			
Leu	His	Tyr	Thr	Val	Ile	Met	Ser	Trp	Arg	Val	Cys	Thr	Ile	Leu	Ala
	130					135					140				
Ala	Val	Ser	Trp	Ile	Phe	Ser	Phe	Leu	Leu	Ala	Leu	Val	His	Leu	Val
145					150					155					160
Leu	Ile	Leu	Arg	Leu	Pro	Phe	Cys	Gly	Pro	His	Glu	Val	Asn	His	Phe
				165				170						175	
Phe	Cys	Glu	Ile	Leu	Ser	Val	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr	Thr
			180					185					190		
Leu	Asn	Gln	Val	Val	Ile	Phe	Ala	Ala	Cys	Val	Phe	Ile	Leu	Val	Gly
	195						200					205			
Pro	Leu	Cys	Leu	Val	Leu	Val	Ser	Tyr	Thr	Arg	Ile	Leu	Val	Ala	Ile
	210					215					220				
Leu	Arg	Ile	Gln	Ser	Gly	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Leu	Cys	Val	Val	Gly	Leu	Phe	Phe	Gly	Ser	Ala	Ile	Val
				245					250					255	
Met	Tyr	Met	Ala	Pro	Lys	Ser	Gln	His	Pro	Glu	Leu	Gln	Gln	Lys	Ile
			260					265					270		
Leu	Ser	Leu	Phe	Tyr	Ser	Leu	Phe	Asn	Pro	Met	Leu	Asn	Pro	Leu	Ile
			275					280					285		
Tyr	Ser	Leu	Arg	Asn	Ala	Glu	Val	Lys	Gly	Ala	Leu	Arg	Arg	Ser	Leu
	290					295					300				
Leu	Lys	Glu	Arg	Ser	Met										
305					310										

<210> 1782
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1782

Met	Lys	Glu	Asn	Gln	Thr	Met	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Phe
1				5					10					15	
Cys	Leu	Gly	Pro	Arg	Ile	His	Val	Ile	Leu	Phe	Ala	Leu	Phe	Ser	Val
			20					25					30		
Cys	Tyr	Ile	Phe	Thr	Leu	Leu	Gly	Asn	Gly	Phe	Thr	Leu	Gly	Leu	Ile
		35					40					45			
Cys	Leu	Glu	Pro	Arg	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn
	50					55				60					
Leu	Ala	Thr	Val	Asp	Ile	Ala	Tyr	Ala	Cys	Asn	Thr	Val	Pro	Gln	Thr
65					70					75					80
Leu	Val	Asn	Leu	Leu	Asp	Glu	Thr	Lys	Pro	Ile	Ser	Phe	Ala	Gly	Cys
				85					90					95	
Met	Met	Gln	Thr	Tyr	Leu	Phe	Leu	Thr	Phe	Gly	Ser	Thr	Glu	Cys	Val

Phe	Cys	Glu	Ile	Thr	Ala	Ile	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr	His
			180					185					190		
Leu	Asn	Glu	Thr	Met	Val	Leu	Ala	Gly	Ala	Val	Ser	Val	Leu	Val	Gly
	195						200					205			
Pro	Phe	Ser	Ser	Ile	Val	Val	Ser	Tyr	Ala	Cys	Ile	Leu	Gly	Ala	Ile
	210					215					220				
Leu	Lys	Ile	Gln	Ser	Glu	Gly	Gln	Arg	Lys	Ala	Phe	Ser	Thr	Cys	
225					230				235					240	
Ser	Ser	His	Leu	Cys	Val	Val	Gly	Leu	Phe	Tyr	Gly	Thr	Ala	Ile	Val
			245					250						255	
Met	Tyr	Val	Gly	Pro	Arg	His	Gly	Ser	Pro	Lys	Glu	Gln	Lys	Lys	Tyr
		260					265						270		
Leu	Leu	Leu	Phe	His	Ser	Leu	Phe	Asn	Pro	Met	Leu	Asn	Pro	Leu	Ile
	275						280					285			
Tyr	Ser	Leu	Arg	Asn	Ser	Asp	Val	Lys	Asn	Thr	Leu	Lys	Arg	Val	Leu
	290					295					300				
Arg	Thr	Gln	Arg	Ala	Leu										
305					310										

<210> 1784
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1784

Met	Met	Arg	Arg	Asn	His	Thr	Val	Ile	Ser	Glu	Phe	Val	Phe	Gln	Gly
1				5					10					15	
Phe	Ser	Ser	Phe	Gln	Glu	Tyr	Lys	Phe	Thr	Leu	Phe	Met	Val	Phe	Leu
			20					25				30			
Thr	Leu	Tyr	Leu	Leu	Thr	Leu	Thr	Gly	Asn	Ala	Ile	Ile	Met	Ile	Ile
	35					40						45			
Ile	Gly	Ile	Asp	Arg	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
50					55			60							
Met	Leu	Ser	Thr	Ser	Glu	Thr	Val	Tyr	Thr	Leu	Val	Ile	Val	Pro	Arg
65				70				75						80	
Met	Leu	Ala	Ser	Leu	Val	Gly	Ser	Ser	Gln	Ser	Ile	Ser	Leu	Ala	Gly
			85					90					95		
Cys	Ala	Thr	Gln	Met	Phe	Phe	Phe	Ile	Thr	Leu	Ala	Ile	Asn	Asn	Cys
		100					105					110			
Phe	Leu	Leu	Thr	Ala	Met	Gly	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
	115					120					125				
Pro	Leu	Arg	Tyr	Ser	Val	Ile	Met	Asn	Lys	Arg	Val	Cys	Ala	Gln	Leu
	130				135					140					
Val	Trp	Gly	Ser	Cys	Asn	Ile	Gly	Leu	Leu	Val	Ala	Ile	Ile	Gln	Ile
145				150				155						160	
Ala	Ser	Val	Phe	Arg	Ala	Pro	Phe	Cys	Asp	Arg	Glu	Val	Ala	His	Tyr
			165				170						175		
Phe	Cys	Asp	Ile	Arg	Pro	Val	Met	Lys	Leu	Ser	Cys	Ala	Asp	Thr	Thr
		180				185						190			
Leu	His	Asp	Ile	Val	Asn	Phe	Ile	Ile	Ser	Ser	Leu	Val	Ile	Val	Val
	195				200						205				
Pro	Met	Gly	Leu	Val	Phe	Ile	Ser	Tyr	Ile	Leu	Ile	Ile	Ser	Thr	Ile
	210				215					220					
Leu	Lys	Ile	Ala	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Ala	Thr	Cys
225				230				235						240	
Ala	Ser	His	Leu	Thr	Val	Val	Ile	Ile	His	Tyr	Gly	Cys	Ala	Ser	Ile

				245					250				255				
Ala	Tyr	Leu	Lys	Pro	Lys	Ser	Glu	Asn	Thr	Arg	Asp	Gln	Asp	Gln	Leu		
			260					265					270				
Ile	Ser	Val	Thr	Tyr	Thr	Val	Phe	Thr	Pro	Leu	Leu	Asn	Pro	Val	Val		
		275					280					285					
Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asp	Ala	Ile	Tyr	Arg	Ala	Ile		
	290					295					300						
Gly	Lys	Lys	Pro	Leu	Ala												
305					310												

<210> 1785
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1785

Met	Ala	Tyr	Glu	Val	Met	Asn	Gln	Thr	Ser	Ala	Thr	Thr	Phe	Ile	Leu		
1				5				10					15				
Val	Gly	Phe	Ser	Glu	Tyr	Pro	Gln	Leu	Gln	Lys	Pro	Leu	Phe	Leu	Leu		
			20					25					30				
Phe	Leu	Ala	Ile	Tyr	Ser	Val	Thr	Leu	Val	Gly	Asn	Leu	Gly	Ile	Leu		
		35				40					45						
Val	Val	Ile	Lys	Val	Asn	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe		
	50				55						60						
Leu	Ser	His	Leu	Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Ser	Ser	Val	Phe	Thr		
65				70					75						80		
Pro	Lys	Leu	Leu	Gln	Ile	Leu	Ile	Met	Glu	Asp	Arg	Thr	Val	Ser	Phe		
				85				90						95			
Lys	Ala	Cys	Met	Val	Gln	Phe	Phe	Phe	Ile	Cys	Thr	Phe	Val	Ile	Thr		
		100						105					110				
Glu	Met	Phe	Met	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Val		
		115					120					125					
Cys	Asn	Pro	Leu	Leu	Tyr	Thr	Val	Val	Met	Pro	Phe	Gln	Phe	Cys	Ala		
	130				135						140						
Leu	Leu	Val	Ala	Gly	Thr	Tyr	Met	Ile	Gly	Gly	Leu	Cys	Thr	Val	Ile		
145				150					155					160			
Leu	Leu	Tyr	Thr	Leu	Gln	Leu	Ser	Tyr	Cys	Glu	Tyr	Gly	Ile	Ile			
			165					170					175				
Asn	His	Phe	Gly	Cys	Glu	Tyr	Ser	Ala	Val	Ile	Ser	Val	Ser	Cys	Ser		
		180						185					190				
Asp	Ser	Ser	Phe	Ser	Gln	Leu	Thr	Ser	Leu	Val	Ile	Ala	Ile	Val	Ser		
		195				200						205					
Glu	Ser	Ser	Ser	Val	Leu	Ile	Thr	Leu	Ala	Ser	Tyr	Val	Phe	Ile	Val		
	210				215						220						
Val	Thr	Ile	Ile	Lys	Met	Pro	Ser	Lys	Gly	Gly	Leu	Arg	Lys	Ala	Phe		
225				230						235					240		
Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Ile	Ser	Ile	Phe	His	Gly	Ile		
			245					250					255				
Ile	Leu	Leu	Leu	Tyr	Cys	Val	Pro	Asn	Ser	Asn	Ser	Ser	Gln	Leu	Phe		
		260						265					270				
Val	Lys	Val	Ala	Thr	Ala	Leu	Tyr	Thr	Ile	Met	Ile	Pro	Met	Leu	Asn		
	275					280					285						
Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asp	Thr	Val	Arg		
	290				295						300						
Arg	Leu	Ile	Ser	Ser	Lys	Leu	His	Ser	His	Leu	Thr						
305					310					315							

<210> 1786
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1786
 Met Gln Lys Pro Lys Phe Leu Gln Ile Met Ser Val Glu Asn Ser Thr
 1 5 10 15
 Val Lys Thr Glu Phe Tyr Leu Leu Gly Phe Ser Asp His Pro Glu Leu
 20 25 30
 Gln Ser Leu Leu Phe Ala Val Phe Phe Ser Ile Tyr Ser Ile Thr Leu
 35 40 45
 Met Gly Asn Ile Gly Met Ile Val Leu Ile Thr Val Ser Pro Asn Leu
 50 55 60
 His Ile Pro Met Tyr Phe Phe Leu Cys Met Leu Ser Phe Ile Asp Ala
 65 70 75 80
 Cys Tyr Ser Ser Val Ile Ala Pro Lys Leu Leu Val Asp Leu Ile Ser
 85 90 95
 Asp Lys Lys Val Ile Ser Tyr Asn Gly Cys Ala Thr Gln Leu Tyr Phe
 100 105 110
 Phe Cys Ser Leu Val Asp Thr Glu Ser Phe Leu Leu Ala Met Ala
 115 120 125
 Tyr Asp Arg Tyr Ile Ala Ile Cys Asn Pro Leu Leu Tyr Thr Val Ile
 130 135 140
 Met Ser Lys Arg Val Cys Ile Gln Leu Ala Phe Gly Ala Phe Leu Gly
 145 150 155 160
 Gly Thr Met Ser Ser Ile Ile His Thr Thr Asn Thr Phe Gln Leu Ser
 165 170 175
 Phe Cys Ser Lys Val Ile Asn His Phe Phe Cys Asp Val Ser Pro Leu
 180 185 190
 Phe Ser Leu Ser Cys Phe Asp Thr Tyr Thr His Asp Ile Ile Leu Val
 195 200 205
 Val Phe Ala Ser Leu Val Glu Ala Leu Ser Leu Leu Thr Val Leu Leu
 210 215 220
 Ser Tyr Met Tyr Ile Ile Val Ala Ile Cys Lys Ile Gly Ser Ala Glu
 225 230 235 240
 Gly Arg Lys Lys Gly Phe Ser Thr Cys Ala Ser His Leu Ala Val Ile
 245 250 255
 Thr Ile Tyr His Gly Thr Leu Ile Phe Ile Tyr Leu Arg Pro Ser Thr
 260 265 270
 Gly His Ser Met Asn Ile Asp Lys Met Thr Ser Val Phe Tyr Thr Leu
 275 280 285
 Ile Ile Pro Met Leu Asn Pro Leu Ile Tyr Ser Leu Arg Asn Lys Asp
 290 295 300
 Val Lys Phe Ala Phe Arg Lys Ile Ile Ser Lys Lys Leu Phe Thr
 305 310 315

<210> 1787
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1787
 Met Met Leu Asp Leu Gly Asn Glu Ser Ser Val Thr Met Phe Ile Leu

1				5					10				15			
Ser	Gly	Phe	Ser	Glu	Tyr	Pro	His	Leu	His	Ala	Pro	Leu	Phe	Leu	Leu	
			20					25					30			
Phe	Phe	Met	Ile	Tyr	Thr	Val	Thr	Leu	Ile	Gly	Asn	Leu	Gly	Ile	Ile	
		35					40					45				
Val	Val	Arg	Lys	Val	Asn	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	
	50				55						60					
Leu	Ser	His	Leu	Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Ser	Ser	Val	Phe	Thr	
65				70						75					80	
Pro	Lys	Leu	Leu	Glu	Ile	Leu	Ile	Val	Glu	Asp	Arg	Thr	Ile	Ser	Phe	
			85						90					95		
Lys	Gly	Cys	Met	Thr	Gln	Phe	Phe	Phe	Ile	Cys	Ala	Phe	Val	Ile	Thr	
		100						105					110			
Glu	Met	Phe	Met	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Val	
		115					120					125				
Cys	Asn	Pro	Leu	Leu	Tyr	Thr	Val	Ser	Met	Ser	Pro	Lys	Leu	Cys	Ala	
	130					135					140					
Phe	Leu	Val	Ala	Gly	Thr	Tyr	Met	Trp	Gly	Val	Leu	Cys	Ser	Leu	Thr	
145					150					155					160	
Ile	Thr	Tyr	Ser	Leu	Leu	Gln	Leu	Ser	Tyr	Cys	Gly	Pro	Asn	Ile	Ile	
			165						170					175		
Asn	His	Phe	Gly	Cys	Glu	Tyr	Ser	Ala	Ile	Leu	Ser	Leu	Ser	Cys	Ser	
		180						185					190			
Asp	Pro	Thr	Phe	Ser	Gln	Val	Val	Cys	Leu	Thr	Ile	Ser	Ile	Phe	Asn	
		195				200						205				
Glu	Thr	Cys	Ser	Leu	Leu	Ile	Ile	Leu	Ala	Ser	Tyr	Val	Phe	Ile	Val	
	210					215					220					
Val	Thr	Ile	Ile	Lys	Met	Pro	Ser	Lys	Gly	Gly	Leu	Gln	Lys	Ala	Phe	
225					230					235					240	
Ser	Thr	Cys	Ser	Ser	His	Leu	Thr	Ala	Ile	Ser	Ile	Phe	His	Gly	Ile	
			245						250					255		
Ile	Leu	Leu	Leu	Tyr	Cys	Val	Pro	Asn	Ser	Lys	Asn	Ser	Trp	Leu	Val	
		260						265					270			
Val	Lys	Val	Ala	Thr	Val	Leu	Phe	Thr	Val	Met	Ile	Pro	Met	Leu	Asn	
		275					280					285				
Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Thr	Val	Ser	
	290					295					300					
Arg	Leu	Met	His	Leu	Lys	Leu	Gln	Ala	His	Ser	Thr					
305					310					315						

<210> 1788
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1788
 Met Ser Val Glu Asn Ser Thr Val Lys Thr Glu Phe Tyr Leu Leu Gly
 1 5 10 15
 Phe Ser Asp His Pro Glu Leu Gln Ser Leu Leu Phe Ala Val Phe Phe
 20 25 30
 Phe Ile Tyr Ser Ile Thr Leu Met Gly Asn Ile Gly Met Ile Leu Leu
 35 40 45
 Ile Thr Val Ser Pro Asn Leu His Ile Pro Met Tyr Phe Phe Leu Cys
 50 55 60
 Met Leu Ser Phe Ile Asp Ala Cys Tyr Ser Ser Val Ile Ala Pro Lys
 65 70 75 80

Leu	Leu	Glu	Asp	Leu	Ile	Ser	Asp	Lys	Lys	Val	Ile	Ser	Tyr	Asn	Gly
				85					90					95	
Cys	Ala	Thr	Gln	Leu	Tyr	Phe	Phe	Cys	Ser	Leu	Val	Asp	Thr	Glu	Ser
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Thr	Val	Ile	Met	Ser	Lys	Arg	Val	Cys	Thr	His	Leu
	130					135					140				
Ala	Phe	Gly	Ala	Phe	Leu	Gly	Gly	Thr	Met	Ser	Ser	Ile	Ile	His	Thr
145					150					155					160
Thr	Asn	Thr	Phe	Gln	Leu	Ser	Phe	Cys	Ser	Lys	Val	Ile	Asn	His	Phe
				165					170					175	
Phe	Cys	Asp	Ile	Ser	Pro	Leu	Phe	Ser	Leu	Ser	Cys	Thr	Asp	Thr	Tyr
		180						185					190		
Thr	His	Asp	Ile	Ile	Leu	Val	Val	Phe	Ala	Ser	Leu	Val	Glu	Ala	Val
		195					200					205			
Ser	Leu	Leu	Ala	Val	Leu	Leu	Ser	Tyr	Met	Tyr	Ile	Ile	Val	Ala	Ile
	210					215					220				
Leu	Lys	Thr	Gly	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Gly	Phe	Ser	Thr	Cys
225					230					235					240
Ala	Ser	His	Leu	Thr	Val	Val	Thr	Ile	Tyr	His	Gly	Thr	Leu	Ile	Phe
				245					250					255	
Ile	Tyr	Leu	Arg	Pro	Ser	Thr	Gly	His	Ser	Met	Asp	Ile	Asp	Lys	Met
		260					265						270		
Thr	Ser	Val	Phe	Tyr	Thr	Leu	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	
		275				280					285				
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Phe	Ala	Phe	Arg	Lys	Ile	Met
	290					295					300				
Ser	Lys	Lys	Ser	Phe	Ser										
305					310										

<210> 1789
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1789

Met	Ile	Met	Glu	Phe	Thr	Ser	Gly	Asn	Tyr	Thr	Leu	Val	Thr	Glu	Phe
1				5					10					15	
Ile	Leu	Leu	Gly	Phe	Pro	Thr	Arg	Pro	Glu	Leu	Gln	Ile	Ile	Leu	Phe
		20						25					30		
Leu	Val	Phe	Leu	Thr	Leu	Tyr	Gly	Met	Ile	Leu	Ile	Gly	Asn	Ile	Gly
	35						40					45			
Leu	Met	Leu	Leu	Ile	Arg	Thr	Asp	Pro	His	Leu	Gln	Thr	Pro	Met	Tyr
	50					55				60					
Phe	Phe	Leu	Ser	Asn	Leu	Ser	Phe	Val	Asp	Leu	Cys	Tyr	Ser	Ser	Val
65					70					75					80
Ile	Val	Pro	Asn	Met	Leu	Val	Asn	Phe	Leu	Ser	Ala	Lys	Lys	Ser	Ile
				85					90					95	
Ser	Tyr	Leu	Gly	Cys	Ala	Leu	Gln	Phe	Tyr	Phe	Phe	Cys	Thr	Phe	Ala
		100						105					110		
Asp	Thr	Glu	Ser	Phe	Ile	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val
		115					120					125			
Ala	Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Thr	Val	Ala	Met	Ser	Arg	Ser	Leu
	130					135					140				
Cys	Ile	Trp	Leu	Ile	Val	Leu	Ser	Tyr	Val	Gly	Gly	Asn	Met	Ser	Ser

145					150					155				160
Leu	Val	His	Thr	Ser	Phe	Ala	Phe	Ile	Leu	Lys	Tyr	Cys	Asp	Lys
				165					170					175
Ile	Ile	Asn	His	Phe	Phe	Cys	Asp	Leu	Pro	Pro	Leu	Leu	Lys	Leu
			180					185					190	
Cys	Thr	Asp	Thr	Ser	Ile	Asn	Glu	Trp	Leu	Leu	Ser	Thr	Tyr	Gly
		195					200					205		
Ser	Val	Glu	Ile	Ile	Cys	Phe	Phe	Ile	Ile	Ile	Ile	Ser	Tyr	Phe
	210					215					220			
Ile	Leu	Leu	Ser	Val	Leu	Lys	Ile	Arg	Ser	Thr	Ser	Gly	Arg	Lys
225					230					235				240
Thr	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Thr	Ser	Val	Ala	Ile	Tyr
				245					250					255
Gly	Thr	Leu	Leu	Phe	Ile	Tyr	Ser	Arg	Pro	Ser	Ser	Leu	Tyr	Ser
			260					265					270	
Asn	Thr	Asp	Lys	Ile	Ile	Ser	Val	Phe	Tyr	Thr	Ile	Ile	Ile	Pro
		275					280					285		Val
Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asp
	290					295				300				Ala
Ala	Lys	Lys	Ala	Leu	Arg	Ser	Lys	Ile	Gln	Ser	Pro			
305					310					315				

<210> 1790
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1790

Met	Ser	Val	Glu	Asn	Ser	Thr	Val	Lys	Thr	Glu	Phe	Tyr	Leu	Leu	Gly
1				5					10					15	
Phe	Ser	Asp	His	Pro	Glu	Leu	Gln	Ser	Leu	Leu	Phe	Ala	Val	Phe	Phe
			20					25					30		
Ser	Ile	Tyr	Ser	Ile	Thr	Leu	Met	Gly	Asn	Ile	Gly	Met	Ile	Val	Leu
		35				40						45			
Ile	Thr	Val	Ser	Pro	Asn	Leu	His	Ile	Pro	Met	Tyr	Phe	Phe	Leu	Trp
	50				55						60				
Met	Leu	Ser	Phe	Ile	Asp	Ala	Cys	Ser	Ser	Ser	Val	Ile	Ala	Pro	Lys
65					70					75				80	
Leu	Leu	Val	Asp	Leu	Ile	Ser	Asp	Lys	Lys	Val	Ile	Ser	Tyr	Asn	Gly
			85						90					95	
Cys	Ala	Thr	Gln	Phe	Tyr	Phe	Cys	Cys	Ser	Leu	Val	Asp	Thr	Glu	Ser
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Asn
			115					120					125		
Pro	Leu	Leu	Tyr	Thr	Val	Ile	Met	Ser	Lys	Arg	Val	Cys	Thr	Gln	Leu
	130					135					140				
Ala	Phe	Glu	Ala	Phe	Leu	Gly	Gly	Thr	Met	Ser	Ser	Ile	Ile	His	Thr
145					150					155					160
Thr	Asn	Thr	Phe	Gln	Leu	Ser	Phe	Cys	Ser	Lys	Glu	Ile	Asn	His	Phe
			165						170					175	
Phe	Cys	Asp	Met	Thr	Pro	Leu	Phe	Ser	Leu	Ser	Cys	Phe	Asp	Thr	Tyr
		180						185					190		
Thr	His	Asp	Ile	Ile	Leu	Val	Val	Phe	Ala	Ser	Leu	Val	Glu	Ala	Val
		195				200						205			
Cys	Leu	Leu	Ala	Val	Leu	Leu	Ser	Tyr	Met	Tyr	Ile	Ile	Val	Ala	Ile
	210					215					220				

Leu	Lys	Thr	Gly	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Gly	Phe	Ser	Thr	Cys
225					230					235					240
Ala	Ser	His	Leu	Ala	Val	Ile	Thr	Ile	Tyr	His	Gly	Thr	Leu	Ile	Phe
				245					250					255	
Ile	Tyr	Leu	Arg	Pro	Ser	Thr	Gly	His	Ser	Met	Asp	Ile	Asp	Lys	Met
			260					265					270		
Thr	Ser	Val	Phe	Tyr	Thr	Leu	Ile	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Phe	Ala	Phe	Arg	Lys	Ile	Ile
	290					295					300				
Ser	Lys	Lys	Leu	Phe	Phe	Leu	Val	Ile							
305					310										

<210> 1791
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1791

Met	Val	Pro	Leu	Glu	Ile	Asn	Val	Ser	Val	Glu	Ile	Asn	Phe	Val	Leu
1				5					10					15	
Leu	Gly	Phe	Thr	Asp	Tyr	Pro	Asn	Leu	Gln	Ile	Pro	Leu	Phe	Leu	Ile
			20					25					30		
Phe	Leu	Phe	Met	Tyr	Ile	Ile	Thr	Val	Val	Gly	Asn	Leu	Gly	Met	Thr
		35					40					45			
Val	Leu	Ile	Asn	Ile	Asp	His	Lys	Phe	His	Thr	Pro	Met	Tyr	Phe	Phe
	50					55					60				
Leu	Ser	His	Leu	Ser	Phe	Val	Asp	Phe	Cys	Tyr	Ser	Thr	Ile	Ile	Thr
65					70				75						80
Pro	Lys	Leu	Leu	Glu	Asn	Leu	Val	Leu	Ala	Asp	Lys	Thr	Ile	Leu	Tyr
			85						90					95	
Phe	Ser	Cys	Met	Leu	Gln	Tyr	Phe	Leu	Ser	Cys	Val	Ala	Leu	Val	Ser
			100					105					110		
Glu	Ser	Tyr	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile
		115					120					125			
Cys	Asn	Pro	Leu	Leu	Tyr	Thr	Val	Ala	Met	Ser	Pro	Arg	Leu	Cys	Ile
	130					135					140				
Leu	Leu	Val	Thr	Gly	Ser	Tyr	Ile	Trp	Ser	Thr	Phe	Glu	Thr	Leu	Ile
145					150					155					160
Leu	Leu	Cys	Tyr	Ala	Leu	Gln	Leu	Lys	Phe	Ser	Arg	Phe	Asn	Val	Ile
			165						170					175	
Asn	His	Phe	Phe	Cys	Glu	Tyr	Thr	Ala	Leu	Ile	Val	Val	Ser	Ser	Ser
			180					185					190		
Asp	Ile	His	Ile	Pro	Ser	Leu	Leu	Leu	Phe	Cys	Phe	Ala	Thr	Phe	Asn
		195					200					205			
Glu	Val	Ser	Thr	Leu	Leu	Ile	Ile	Leu	Thr	Ser	Tyr	Val	Leu	Ile	Phe
	210					215					220				
Val	Thr	Val	Leu	Lys	Ile	Lys	Ser	Ala	Ser	Gly	Arg	Arg	Lys	Ala	Phe
225					230					235					240
Ser	Thr	Cys	Ala	Ser	His	Leu	Thr	Ala	Ile	Thr	Ile	Phe	His	Gly	Thr
			245						250					255	
Ile	Leu	Ser	Leu	Tyr	Cys	Val	Pro	Asn	Ser	Lys	Asn	Ser	Arg	Asn	Ala
			260					265					270		
Val	Lys	Val	Ala	Ser	Val	Phe	Tyr	Ala	Val	Val	Asn	Pro	Leu	Leu	Asn
	275						280					285			
Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Val	Phe	Gln

290		295		300							
Lys	Leu	Val	Ser	Thr	Ser	Leu	Lys	Phe	Gln	Leu	His
305					310					315	

<210> 1792
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1792

Met	Thr	Leu	Ser	Asp	Gly	Asn	His	Ser	Gly	Ala	Val	Phe	Thr	Leu	Leu
1				5					10					15	
Gly	Phe	Ser	Asp	Tyr	Pro	Glu	Leu	Thr	Ile	Pro	Leu	Phe	Leu	Ile	Phe
			20					25				30			
Leu	Thr	Ile	Tyr	Ser	Ile	Thr	Val	Val	Gly	Asn	Ile	Gly	Met	Ile	Val
		35				40					45				
Ile	Ile	Arg	Ile	Asn	Pro	Lys	Leu	His	Ile	Pro	Met	Tyr	Phe	Phe	Leu
	50			55						60					
Ser	His	Leu	Ser	Phe	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Ile	Val	Ala	Pro
65				70					75					80	
Lys	Met	Leu	Val	Asn	Leu	Val	Thr	Met	Asn	Arg	Gly	Ile	Ser	Phe	Val
			85						90					95	
Gly	Cys	Leu	Val	Gln	Phe	Phe	Phe	Phe	Cys	Thr	Phe	Val	Val	Thr	Glu
		100					105					110			
Ser	Phe	Leu	Gly	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Arg	
	115				120					125					
Asn	Pro	Leu	Leu	Tyr	Thr	Val	Ala	Met	Ser	Gln	Arg	Leu	Cys	Ala	Met
	130				135					140					
Leu	Val	Leu	Gly	Ser	Tyr	Ala	Trp	Gly	Val	Val	Cys	Ser	Leu	Ile	Leu
145				150					155					160	
Thr	Cys	Ser	Ala	Leu	Asn	Leu	Ser	Phe	Tyr	Gly	Phe	Asn	Met	Ile	Asn
			165					170						175	
His	Phe	Phe	Cys	Glu	Phe	Ser	Ser	Leu	Leu	Ser	Leu	Ser	Arg	Ser	Asp
		180					185					190			
Thr	Ser	Val	Ser	Gln	Leu	Leu	Leu	Phe	Val	Phe	Ala	Thr	Phe	Asn	Glu
	195				200						205				
Ile	Ser	Thr	Leu	Leu	Ile	Ile	Leu	Leu	Ser	Tyr	Val	Leu	Ile	Val	Val
	210				215					220					
Thr	Ile	Leu	Lys	Met	Lys	Ser	Ala	Ser	Gly	Arg	Arg	Lys	Ala	Phe	Ser
225				230					235					240	
Thr	Cys	Ala	Ser	His	Leu	Thr	Ala	Ile	Thr	Ile	Phe	His	Gly	Thr	Ile
			245					250					255		
Leu	Phe	Leu	Tyr	Cys	Val	Pro	Asn	Ser	Lys	Asn	Ser	Arg	His	Thr	Val
		260					265					270			
Lys	Val	Ala	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro
	275					280					285				
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asp	Thr	Val	Lys	Lys
	290				295						300				
Ile	Ile	Gly	Thr	Lys	Val	Tyr	Ser	Ser							
305					310										

<210> 1793
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1793

Met	Ile	Leu	Thr	Asp	Ile	Asn	Leu	Thr	Ser	Glu	Val	Thr	Phe	Ala	Leu
1				5					10					15	
Leu	Gly	Phe	Ser	Asp	Tyr	Pro	Glu	Leu	Gln	Val	Pro	Leu	Phe	Leu	Leu
			20				25						30		
Phe	Leu	Ala	Ile	Tyr	Ser	Phe	Ser	Val	Val	Gly	Asn	Ile	Gly	Met	Met
		35					40					45			
Ile	Ile	Ile	Lys	Ile	Asn	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe
	50				55						60				
Leu	Ser	His	Leu	Ser	Phe	Ala	Asp	Phe	Cys	Tyr	Ser	Ser	Ile	Ile	Ala
65					70					75					80
Pro	Lys	Met	Leu	Val	Asn	Leu	Val	Val	Glu	Asp	Arg	Thr	Ile	Ser	Phe
				85					90					95	
Leu	Gly	Cys	Ile	Met	Gln	Phe	Phe	Phe	Phe	Cys	Thr	Phe	Val	Val	Thr
			100					105					110		
Glu	Leu	Ile	Leu	Phe	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Val
		115					120					125			
Cys	Asn	Pro	Leu	Leu	Tyr	Thr	Val	Val	Met	Ser	Gln	Arg	Leu	Cys	Ala
	130					135					140				
Leu	Leu	Val	Leu	Gly	Ser	Tyr	Ala	Trp	Gly	Val	Val	Cys	Ser	Leu	Thr
145					150					155					160
Leu	Thr	Cys	Ser	Ala	Leu	Asn	Leu	Tyr	Phe	Arg	Gly	Phe	Asn	Thr	Ile
				165					170					175	
Asn	His	Phe	Phe	Cys	Glu	Leu	Ser	Ser	Leu	Ile	Ala	Leu	Ser	Cys	Ser
			180					185					190		
Asp	Ser	His	Leu	Thr	Gln	Leu	Leu	Leu	Phe	Ile	Val	Ala	Thr	Phe	Asn
		195					200					205			
Glu	Ile	Ser	Thr	Leu	Leu	Ile	Ile	Leu	Thr	Ser	Tyr	Leu	Phe	Ile	Val
	210					215					220				
Val	Thr	Ala	Leu	Lys	Met	His	Ser	Ser	Ser	Gly	His	Arg	Lys	Val	Phe
225					230					235					240
Ser	Thr	Cys	Ala	Ser	His	Met	Thr	Ala	Ile	Thr	Ile	Phe	His	Gly	Thr
				245					250					255	
Ile	Leu	Phe	Leu	Tyr	Cys	Val	Pro	Asn	Ser	Lys	Asn	Ser	Arg	His	Thr
		260						265					270		
Val	Lys	Val	Ala	Ser	Leu	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn
	275						280					285			
Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asp	Thr	Val	Ser
	290					295					300				
Lys	Leu	Met	Asn	Val	Arg	Lys	Phe	Ser	Gln						
305					310										

<210> 1794

<211> 311

<212> PRT

<213> Mus musculus

<400> 1794

Met	Asp	Glu	Gly	Asn	Cys	Ser	Ser	Ile	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Ile	Thr	Asp	Asp	Pro	Ser	Met	Lys	Val	Val	Leu	Phe	Ile	Ser	Phe	Leu
			20					25					30		
Ile	Ile	Tyr	Leu	Ile	Ile	Leu	Val	Ala	Asn	Ile	Gly	Ile	Ile	Val	Leu
		35					40					45			
Ile	Arg	Ile	Asp	Pro	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser

50		55		60											
His	Leu	Ser	Phe	Ser	Asp	Leu	Cys	Tyr	Ser	Thr	Ala	Val	Gly	Pro	Lys
65					70					75					80
Met	Leu	Val	Asp	Leu	Leu	Ala	Lys	His	Lys	Ser	Leu	Ser	Phe	Leu	Gly
			85						90					95	
Cys	Ala	Leu	Gln	Phe	Phe	Phe	Thr	Cys	Val	Phe	Ile	Asp	Val	Glu	Cys
			100					105					110		
Val	Leu	Leu	Ala	Val	Met	Ala	Phe	Asp	Arg	Tyr	Lys	Ala	Ile	Ser	Asn
		115					120					125			
Pro	Leu	Met	Tyr	Val	Val	Asp	Met	Ser	Ser	Arg	Phe	Cys	Tyr	Gln	Leu
	130					135					140				
Leu	Ala	Gly	Val	Tyr	Val	Leu	Ala	Met	Ile	Asp	Thr	Leu	Met	Gln	Thr
145					150					155					160
Ile	Ile	Thr	Phe	Gly	Leu	Cys	Phe	Cys	Arg	Ser	Asn	Glu	Ile	Asn	His
			165						170					175	
Phe	Phe	Cys	Asp	Leu	Pro	Pro	Ile	Leu	Leu	Leu	Ser	Cys	Ser	Asp	Ile
			180					185					190		
Tyr	Val	Asn	Glu	Leu	Ala	Leu	Phe	Val	Phe	Ser	Gly	Phe	Val	Glu	Leu
	195					200						205			
Cys	Thr	Ile	Ser	Gly	Leu	Leu	Val	Ser	Tyr	Ser	Tyr	Ile	Ile	Ala	Ser
	210				215					220					
Val	Leu	Lys	Ile	Ser	Ser	Asp	Glu	Gly	Arg	Phe	Lys	Ala	Phe	Ser	Thr
225					230				235						240
Cys	Ala	Ser	His	Leu	Thr	Ala	Val	Ala	Ile	Phe	Gln	Gly	Thr	Leu	Leu
			245						250					255	
Phe	Met	Tyr	Phe	Arg	Pro	Ser	Ser	Ser	Tyr	Ser	Leu	Asp	Gln	Asp	Lys
		260					265						270		
Thr	Thr	Ser	Leu	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
	275					280						285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Leu	Tyr	Lys	Leu
	290				295					300					
Arg	Asn	Lys	Arg	Ser	Phe	Lys									
305					310										

<210> 1795
 <211> 326
 <212> PRT
 <213> Mus musculus

<400> 1795
Met Asn Ser Val Val Ser Ser Asn Arg Ser Gln Val Trp Asn Glu Gly
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Asn Arg Ser Met Val Ala Ser Phe Ile Leu Leu Ala Phe Ser Glu Phe
20 25 30
Pro Asn Leu Gln Leu Pro Leu Phe Leu Val Phe Leu Ile Met Tyr Met
35 40 45
Val Thr Val Leu Glu Asn Leu Gly Met Ile Phe Ile Ile Arg Met Asn
50 55 60
Pro Lys Leu His Thr Pro Met Tyr Phe Phe Leu Ser His Leu Ser Phe
65 70 75 80
Val Asp Phe Cys Tyr Thr Ser Val Ile Ala Pro Lys Leu Leu Asp Leu
85 90 95
Leu Ile Val Glu Asp Lys Ser Ile Ser Phe Glu Gly Cys Met Ala Gln
100 105 110
Tyr Phe Leu Gly Cys Thr Phe Val Ile Ile Glu Met Phe Met Leu Ala
115 120 125

Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Val	Cys	Asn	Pro	Leu	Leu	Tyr
130						135					140				
Thr	Val	Ala	Met	Ser	His	Glu	Leu	Cys	Ser	Leu	Leu	Val	Val	Ile	Thr
145					150					155					160
Tyr	Ile	Trp	Ala	Gly	Ile	Phe	Ser	Ser	Thr	Leu	Thr	Tyr	Ile	Leu	Leu
				165						170					175
Gln	Leu	Ser	Tyr	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Phe	Cys	Cys	Glu
				180				185					190		
Tyr	Ser	Ala	Leu	Leu	Ser	Val	Ser	Cys	Ser	Asp	Thr	Ser	Phe	Ser	Gln
		195					200					205			
Met	Ala	Cys	Leu	Val	Ile	Ser	Met	Phe	Asn	Glu	Ala	Cys	Cys	Leu	Leu
	210					215					220				
Ile	Ile	Ile	Thr	Ser	Tyr	Val	Phe	Ile	Val	Val	Thr	Val	Ile	Lys	Ile
225					230					235					240
Pro	Thr	Lys	Gly	Ala	Phe	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Ala	Ser	His
				245					250					255	
Leu	Thr	Ala	Ile	Gly	Val	Cys	His	Gly	Ile	Val	Leu	Leu	Leu	Tyr	Cys
			260					265					270		
Val	Leu	Lys	Ser	Lys	Ser	Ser	Leu	Phe	Leu	Val	Lys	Val	Ala	Thr	Val
		275					280					285			
Phe	His	Ser	Met	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu
	290					295					300				
Arg	Asn	Lys	Asp	Val	Lys	Glu	Thr	Val	Arg	Lys	Leu	Ile	Tyr	Leu	Lys
305					310					315					320
Cys	Ile	Phe	His	Ser	Ile										
				325											

<210> 1796
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1796

Met	Gln	Phe	Ile	Lys	Gln	Arg	Arg	Met	Glu	Val	Gly	Asn	Cys	Ser	Ala
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Thr	Glu	Phe	Leu	Leu	Leu	Gly	Ile	Thr	Asn	Asn	Pro	Val	Ile	Lys	Val
			20					25					30		
Ile	Leu	Phe	Thr	Thr	Phe	Leu	Ile	Val	Tyr	Leu	Ile	Ile	Leu	Ile	Glu
		35				40						45			
Asn	Leu	Gly	Met	Ile	Ile	Leu	Ile	Arg	Met	Asn	Ser	Gln	Leu	His	Thr
	50					55				60					
Pro	Met	Tyr	Phe	Phe	Leu	Ser	His	Leu	Ser	Phe	Ser	Asp	Ile	Cys	Tyr
65					70					75					80
Ser	Thr	Ala	Val	Gly	Pro	Lys	Met	Leu	Val	Gly	Leu	Ile	Phe	Lys	Asn
				85					90					95	
Asn	Ser	Ile	Pro	Phe	Ile	Asp	Cys	Ala	Val	Gln	Phe	Phe	Ile	Phe	Cys
			100					105					110		
Ile	Phe	Thr	Asp	Ala	Glu	Cys	Val	Leu	Leu	Ala	Val	Met	Ala	Phe	Asp
		115					120					125			
Arg	Tyr	Lys	Ala	Ile	Ser	Asn	Pro	Leu	Met	Tyr	Ala	Val	Asp	Met	Ser
	130					135					140				
Arg	Val	Val	Cys	Tyr	Gln	Leu	Leu	Ala	Val	Val	Tyr	Leu	Val	Gly	Met
145					150					155					160
Val	Asp	Ala	Leu	Thr	His	Thr	Thr	Leu	Thr	Phe	His	Leu	Cys	Phe	Cys
				165					170					175	
Gln	Ser	Lys	Glu	Ile	Asn	His	Phe	Phe	Cys	Asp	Val	Pro	Pro	Leu	Leu

<210> 1799
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 <212> PRT
 <213> Mus musculus

<400> 1799
 Met Asp Lys Glu Asn Cys Ser Ser Leu Pro Glu Leu Leu Leu Leu Glu
 1 5 10 15
 Ile Thr Asn Asn Pro Asp Met Lys Val Leu Ile Leu Thr Val Phe Leu
 20 25 30
 Ala Ile Asn Leu Ile Val Leu Ile Ile Asn Ile Gly Met Ile Ile Phe
 35 40 45
 Ile Lys Met Asn Pro Gln Leu Gln Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 His Leu Phe Phe Ser Asp Leu Ser Tyr Ser Ser Ala Ile Gly Ser Lys
 65 70 75 80
 Met Leu Ile Asp Ile Phe Ser Lys Tyr Lys Thr Ile Pro Leu Leu Phe
 85 90 95
 Val Pro Phe Asp Ser Phe Phe Val Cys Ile Phe Ile Asp Val Glu Cys
 100 105 110
 Val Leu Pro Ala Val Met Ala Phe Asp Gln Tyr Lys Ala Ile Ser His
 115 120 125
 Pro Val Ile Tyr Ala Ile Asp Met Ser Asn Arg Val Cys Tyr Gln Phe
 130 135 140
 Leu Ala Gly Val Tyr Leu Val Gly Met Thr Asp Ala Leu Ile His Arg
 145 150 155 160
 Thr Leu Thr Phe Cys Leu Cys Phe Cys Glu Ser His Glu Ile Asn His
 165 170 175
 Phe Phe Cys Asp Ile Pro Pro Ile Leu Leu Leu Ser Cys Leu Asn Thr
 180 185 190
 Gln Phe Asn Glu Leu Met Ile Phe Thr Ile Phe Gly Phe Ile Gln Leu
 195 200 205
 Ser Thr Ile Ser Glu Val Leu Val Ser Tyr Cys Ser Ile Ile Leu Ser
 210 215 220
 Val Leu Lys Ile His Ser Ala Lys Gly Arg Phe Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Thr Leu His Leu Thr Ala Val Ala Ile Phe Gln Gly Thr Leu Leu
 245 250 255
 Phe Thr Tyr Phe Gln Pro Ser Thr Ser Tyr Ser Leu Asp Gln Asp Lys
 260 265 270
 Met Thr Ser Leu Phe Tyr Thr Leu Met Ile Pro Met Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Tyr Lys Asp Val Lys Glu Thr Leu Gln Asn Leu
 290 295 300
 Glu Asn Lys Arg Trp Cys Lys
 305 310

<210> 1800
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1800
 Met Ile Gln Asn Ile Ser Glu Leu Ser Glu Phe Ile Leu Val Gly Leu
 1 5 10 15

Thr	Asp	Ala	Pro	Phe	Leu	Gln	Ile	Pro	Leu	Phe	Ile	Ile	Phe	Thr	Leu
		20						25					30		
Ile	Tyr	Leu	Thr	Thr	Leu	Phe	Gly	Asn	Leu	Gly	Met	Ile	Leu	Leu	Ile
	35						40					45			
Leu	Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn
	50					55					60				
Leu	Ser	Leu	Val	Asp	Cys	Val	Tyr	Ala	Ser	Ala	Val	Thr	Pro	Lys	Val
65					70					75					80
Met	Glu	Gly	Phe	Leu	Thr	Gly	Asn	Lys	Ile	Ile	Ser	Tyr	Asn	Ala	Cys
				85					90					95	
Ala	Ala	Gln	Met	Phe	Phe	Phe	Ala	Ala	Phe	Ala	Thr	Val	Glu	Ser	Phe
			100					105					110		
Met	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	His	Ala	Ala	Val	Cys	Lys	Pro
	115						120					125			
Leu	His	Tyr	Ser	Thr	Thr	Met	Thr	Thr	Thr	Ile	Cys	Val	Leu	Leu	Leu
	130					135					140				
Ala	Gly	Ser	Tyr	Val	Ser	Gly	Leu	Leu	Gln	Ser	Ser	Ile	His	Val	Ser
145					150					155					160
Phe	Thr	Phe	Gln	Leu	Ser	Phe	Cys	His	Ser	Asn	Val	Val	Asn	His	Phe
			165						170					175	
Phe	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Ala	Leu	Ser	Cys	Ser	Ser	Ile	His
		180						185					190		
Thr	Asn	Glu	Ile	Ile	Leu	Phe	Met	Leu	Ala	Ala	Phe	Asn	Val	Ala	Phe
	195						200					205			
Thr	Leu	Leu	Val	Ile	Leu	Ser	Ser	Tyr	Leu	Leu	Ile	Phe	Val	Ala	Ile
	210					215					220				
Leu	Arg	Met	Arg	Ser	Ala	Glu	Ser	Arg	Lys	Lys	Ala	Ile	Ser	Thr	Cys
225					230					235					240
Ala	Ser	His	Leu	Thr	Thr	Val	Ser	Ile	Phe	Tyr	Gly	Thr	Ile	Ile	Phe
			245						250					255	
Met	Tyr	Leu	Gln	Pro	Ser	Ser	Asn	His	Ser	Met	Asp	Thr	Asp	Lys	Met
		260					265						270		
Ala	Ser	Val	Phe	Tyr	Thr	Met	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu	Val
		275				280					285				
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asn	Ala	Phe	Lys	Lys	Val	Ala
	290				295						300				
Gly	Lys	Ala	Val	Leu	Ser	Leu	Gly	Leu	Val	Asn					
305					310					315					

<210> 1801
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1801

Met	His	Asn	Ile	Ser	Glu	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly	Leu	Thr
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Asp	Ala	Pro	Gly	Leu	Gln	Val	Pro	Leu	Phe	Ile	Ile	Phe	Thr	Phe	Ile
		20						25				30			
Tyr	Leu	Thr	Thr	Leu	Phe	Gly	Asn	Leu	Gly	Met	Ile	Val	Leu	Ile	Leu
	35					40					45				
Leu	Asp	Ser	Ser	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn	Leu
	50				55					60					
Ser	Leu	Val	Asp	Cys	Val	Tyr	Ala	Ser	Ala	Val	Thr	Pro	Lys	Val	Ile
65				70						75					80
Glu	Gly	Phe	Leu	Thr	Glu	Lys	Lys	Ile	Ile	Ser	Tyr	Asn	Ala	Cys	Ala

				85					90					95		
Thr	Gln	Met	Phe	Phe	Leu	Ile	Gly	Phe	Ala	Ile	Ile	Glu	Gly	Phe	Leu	
			100					105					110			
Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	His	Ala	Ala	Val	Cys	Lys	Pro	Leu	
		115					120					125				
Tyr	Tyr	Ser	Thr	Ser	Met	Thr	Thr	Thr	Ile	Cys	Thr	Leu	Leu	Ile	Val	
	130					135					140					
Gly	Ser	Tyr	Ile	Ser	Gly	Leu	Leu	Gln	Ser	Ser	Ile	His	Val	Ala	Phe	
145					150					155					160	
Thr	Phe	His	Leu	Ser	Phe	Cys	His	Ser	Asn	Val	Val	Asn	His	Phe	Phe	
				165					170					175		
Cys	Asp	Ile	Pro	Pro	Leu	Leu	Ala	Leu	Ser	Cys	Ser	Ser	Val	Tyr	Ile	
			180					185					190			
Asn	Glu	Ile	Val	Leu	Phe	Ile	Leu	Ala	Ala	Leu	Asn	Ile	Ala	Leu	Thr	
	195						200					205				
Ile	Leu	Val	Ile	Val	Asn	Ser	Tyr	Val	Leu	Ile	Phe	Val	Ala	Ile	Leu	
	210				215						220					
Arg	Met	Arg	Ser	Thr	Asp	Gly	Gln	Lys	Lys	Ala	Ile	Ser	Thr	Cys	Ala	
225					230					235					240	
Ser	His	Leu	Thr	Thr	Val	Ser	Ile	Phe	Tyr	Gly	Thr	Ile	Ile	Phe	Met	
			245					250						255		
Tyr	Leu	Gln	Pro	Ser	Ser	Thr	His	Ser	Met	Asp	Thr	Asp	Lys	Val	Ala	
			260					265					270			
Ser	Val	Phe	Tyr	Thr	Met	Ile	Ile	Pro	Met	Leu	Asn	Pro	Leu	Val	Tyr	
	275					280					285					
Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asn	Ala	Phe	Lys	Lys	Val	Thr	Arg	
	290					295					300					
Lys	Val	Leu	Phe	Ser	Leu	Gly	Leu	Val								
305					310											

<210> 1802
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1802

Met	Ala	Asp	Asn	Gly	Thr	Arg	Leu	Thr	Glu	Phe	Ile	Leu	Met	Gly	Phe	
1			5						10					15		
Gln	Leu	Gln	Ala	Glu	Leu	Gln	Leu	Gly	Leu	Phe	Phe	Thr	Phe	Leu	Thr	
		20						25					30			
Phe	Tyr	Leu	Ile	Thr	Ile	Ala	Gly	Asn	Leu	Gly	Met	Ile	Met	Leu	Ile	
	35					40					45					
Gln	Ser	Asp	Pro	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His	
	50				55					60						
Leu	Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Ser	Ser	Val	Ile	Val	Pro	Gln	Leu	
65				70					75					80		
Leu	Glu	Ile	Leu	Gly	Asn	Asn	Lys	Met	Val	Ile	Thr	Tyr	Glu	His	Cys	
			85					90					95			
Ala	Thr	Gln	Phe	Phe	Phe	Phe	Thr	Phe	Tyr	Ala	Ser	Thr	Glu	Cys	Phe	
		100					105						110			
Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Asn	Pro	
	115					120						125				
Leu	Leu	Tyr	Ala	Met	Ala	Met	Thr	Pro	Gln	Thr	Arg	Leu	Gly	Leu	Val	
	130				135					140						
Ala	Ala	Ala	Tyr	Ser	Gly	Ala	Met	Val	Asn	Thr	Val	Val	Arg	Thr	Gly	
145					150				155						160	

Cys	Thr	Phe	Ser	Ile	Ser	Phe	Cys	Lys	Ser	Asn	Gln	Val	Asp	Phe	Leu	
				165					170					175		
Phe	Cys	Asp	Leu	Pro	Pro	Leu	Met	Lys	Leu	Ala	Cys	Ser	Glu	Thr	Lys	
			180					185					190			
Leu	Gln	Glu	Gln	Val	Ile	Phe	Leu	Phe	Ala	Phe	Leu	Val	Ile	Ile	Thr	
		195					200					205				
Ser	Val	Ser	Val	Ile	Leu	Val	Ser	Tyr	Leu	Phe	Ile	Ile	Trp	Ala	Ile	
	210					215					220					
Leu	Lys	Ile	Arg	Thr	Ala	Gly	Ala	Lys	Ala	Lys	Thr	Phe	Ser	Thr	Cys	
225					230					235					240	
Ala	Ser	His	Met	Ile	Ala	Val	Ala	Leu	Phe	Phe	Gly	Thr	Ile	Ile	Phe	
				245					250					255		
Met	Tyr	Leu	Lys	Gly	Asn	Met	Gly	Lys	Ser	Leu	Trp	Glu	Asp	Lys	Ile	
			260					265					270			
Val	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Met	Ile	
		275					280					285				
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Glu	Ala	Leu	Lys	Lys	Ala	Phe	
	290				295						300					
Lys	Arg	Ile	Lys	Ser	Ser	Gln	Glu	Ser	Lys	Thr						
305					310					315						

<210> 1803
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1803

Met	Ala	Asp	Asn	Gly	Thr	Arg	Leu	Thr	Glu	Phe	Ile	Leu	Ile	Gly	Phe	
1				5					10					15		
Gln	Leu	Gln	Ala	Glu	Leu	Gln	Leu	Cys	Leu	Phe	Phe	Ile	Phe	Leu	Ala	
			20					25					30			
Phe	Tyr	Leu	Ile	Thr	Ile	Val	Gly	Asn	Leu	Gly	Met	Ile	Met	Leu	Ile	
		35					40					45				
Gln	Ser	Asp	Pro	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His	
	50				55					60						
Leu	Ser	Phe	Leu	Asp	Val	Cys	Tyr	Ser	Ser	Val	Ile	Val	Pro	Gln	Leu	
65				70					75					80		
Leu	Glu	Thr	Leu	Gly	Ser	Asn	Lys	Met	Val	Ile	Thr	Tyr	Glu	Arg	Cys	
			85					90					95			
Ala	Thr	Gln	Phe	Phe	Phe	Thr	Leu	Tyr	Ala	Ser	Thr	Glu	Cys	Phe		
		100					105					110				
Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Asn	Pro	
	115					120					125					
Leu	Leu	Tyr	Ala	Met	Ala	Met	Thr	Pro	Gln	Thr	Arg	Leu	Gly	Leu	Val	
	130					135					140					
Ala	Ala	Ala	Tyr	Ser	Gly	Ala	Met	Val	Asn	Thr	Val	Val	Arg	Thr	Gly	
145					150				155					160		
Cys	Thr	Phe	Ser	Ile	Ser	Phe	Cys	Lys	Ser	Asn	Gln	Val	Asp	Phe	Phe	
			165					170					175			
Phe	Cys	Asp	Leu	Pro	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Glu	Thr	Lys	
		180						185					190			
Leu	Arg	Glu	Gln	Val	Ile	Phe	Leu	Phe	Ala	Phe	Leu	Val	Ile	Thr	Thr	
		195					200					205				
Ser	Val	Ser	Val	Ile	Leu	Val	Ser	Tyr	Leu	Phe	Ile	Ile	Trp	Ala	Ile	
	210					215					220					
Leu	Lys	Ile	Arg	Thr	Ala	Gly	Ala	Lys	Ala	Lys	Thr	Phe	Ser	Thr	Cys	

225		230		235		240									
Ala	Ser	His	Met	Ile	Ala	Val	Ala	Leu	Phe	Phe	Gly	Thr	Leu	Ile	Phe
				245					250					255	
Met	Tyr	Leu	Lys	Gly	Asn	Met	Gly	Lys	Ser	Leu	Trp	Gln	Asp	Lys	Ile
			260					265					270		
Val	Ser	Val	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Met	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Glu	Ala	Leu	Lys	Lys	Ala	Phe
	290					295					300				
Lys	Arg	Ile	Lys	Ala	Ser	Gln	Glu	Ser	Lys	Thr					
305					310					315					

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 <212> PRT
 <213> Mus musculus

<400> 1804

Met	Thr	Val	Lys	Asn	Ile	Thr	Thr	Met	Ser	Gly	Phe	Leu	Leu	Met	Gly
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Phe	Ser	Asp	Asn	Arg	Glu	Leu	Gln	Ile	Leu	Tyr	Ala	Leu	Leu	Phe	Leu
			20					25					30		
Leu	Thr	Tyr	Leu	Leu	Gly	Ser	Ala	Gly	Asn	Phe	Ile	Ile	Ile	Thr	Ile
		35					40					45			
Thr	Thr	Leu	Asp	Pro	Gln	Leu	Gln	Ser	Pro	Met	Tyr	Tyr	Phe	Leu	Lys
	50					55				60					
His	Leu	Ser	Ile	Leu	Asp	Leu	Ser	Ser	Leu	Ser	Val	Thr	Val	Pro	Gln
65					70					75					80
Tyr	Val	Asp	Ser	Ser	Leu	Ala	Gly	Ser	Gly	Tyr	Ile	Ser	Tyr	Gly	Gln
			85						90					95	
Cys	Met	Leu	Gln	Ile	Phe	Phe	Phe	Ala	Ala	Phe	Ala	Trp	Gly	Glu	Val
			100					105					110		
Ala	Ile	Leu	Thr	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Leu
		115					120					125			
Pro	Leu	His	Tyr	Glu	Val	Ile	Met	Ser	Pro	Arg	Lys	Cys	Thr	Trp	Ala
	130					135					140				
Val	Thr	Ser	Val	Trp	Leu	Ser	Ser	Val	Ile	Pro	Gly	Thr	Leu	Tyr	Ile
145					150					155					160
Ala	Ser	Ile	Phe	Ser	Ile	Arg	Phe	Cys	Arg	Ala	Lys	Ile	Ile	His	Gln
			165						170					175	
Leu	Phe	Cys	Asp	Val	Pro	Gln	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asn	Asp
			180					185					190		
His	Leu	Val	Val	Ile	Gly	Met	Val	Ser	Phe	Met	Thr	Ala	Val	Ala	Phe
		195					200					205			
Ala	Cys	Phe	Val	Gly	Ile	Val	Ile	Ser	Tyr	Val	His	Ile	Phe	Ser	Thr
	210					215				220					
Val	Leu	Arg	Met	Pro	Ser	Ala	Glu	Ser	Arg	Ser	Lys	Val	Phe	Ser	Thr
225					230					235					240
Cys	Leu	Pro	His	Leu	Phe	Val	Val	Ser	Leu	Phe	Leu	Ser	Thr	Gly	Ser
			245						250					255	
Cys	Ala	Tyr	Leu	Asn	Thr	Ser	Ser	Asp	Ser	Pro	Thr	Ala	Leu	Glu	Phe
		260						265					270		
Leu	Phe	Ser	Ile	Phe	Tyr	Thr	Val	Leu	Pro	Pro	Thr	Leu	Asn	Pro	Val
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Glu	Thr	Ile	Lys	Ser	Val	Val	Arg	Lys	Leu
	290					295					300				

Leu	Leu	Ser	Ser	Lys	Phe	Thr	Val	Arg	Ile	Ile	Cys	Pro	Val	Ala	Thr
305					310					315					320
Asp															

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 <211> 330
 <212> PRT
 <213> Mus musculus

<400> 1805															
Met	Ile	Ser	Tyr	Ser	Phe	Phe	Gln	Glu	Met	Ser	Val	Asn	Cys	Ser	Leu
1				5					10					15	
Trp	Gln	Glu	Asn	Lys	Leu	Ser	Val	Lys	His	Phe	Ala	Phe	Ala	Lys	Phe
			20					25					30		
Ser	Glu	Val	Pro	Glu	Glu	Cys	Phe	Leu	Leu	Phe	Thr	Leu	Ile	Leu	Leu
		35					40					45			
Met	Phe	Leu	Val	Ser	Leu	Thr	Gly	Asn	Ala	Leu	Ile	Thr	Leu	Ala	Ile
	50					55					60				
Cys	Thr	Ser	Pro	Ala	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Asn
65				70						75					80
Leu	Ser	Leu	Leu	Glu	Ile	Gly	Tyr	Thr	Cys	Ser	Val	Ile	Pro	Lys	Met
			85						90					95	
Leu	Lys	Asn	Leu	Val	Thr	Glu	Ala	Arg	Gly	Ile	Ser	Arg	Glu	Gly	Cys
		100						105					110		
Ala	Thr	Gln	Met	Phe	Phe	Phe	Ile	Phe	Phe	Gly	Ile	Thr	Glu	Cys	Cys
		115					120					125			
Leu	Leu	Ala	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Met	Ala	Ile	Cys	Ser	Pro
	130					135					140				
Leu	His	Tyr	Ala	Thr	Arg	Met	Ser	Arg	Glu	Val	Cys	Ala	His	Leu	Ala
145					150					155					160
Ile	Val	Ser	Trp	Gly	Met	Gly	Cys	Ile	Val	Gly	Leu	Gly	Gln	Thr	Asn
			165						170					175	
Phe	Ile	Phe	Ser	Leu	Asn	Phe	Cys	Gly	Pro	Cys	Glu	Ile	Asp	His	Phe
		180					185						190		
Phe	Cys	Asp	Leu	Pro	Pro	Val	Leu	Ala	Leu	Ala	Cys	Gly	Asp	Thr	Ser
	195					200						205			
Gln	Asn	Glu	Ala	Ala	Ile	Phe	Val	Thr	Val	Val	Leu	Cys	Ile	Ser	Ser
	210					215					220				
Pro	Phe	Leu	Leu	Ile	Ile	Tyr	Ser	Tyr	Val	Arg	Ile	Leu	Phe	Ala	Val
225					230					235					240
Leu	Val	Met	Pro	Ser	Pro	Glu	Gly	Arg	His	Lys	Ala	Leu	Ser	Thr	Cys
			245						250					255	
Ser	Ser	His	Leu	Leu	Val	Val	Thr	Leu	Phe	Tyr	Gly	Ser	Ala	Ser	Ile
		260						265					270		
Thr	Tyr	Leu	Arg	Pro	Lys	Ser	Ser	His	Ser	Pro	Gly	Ile	Asp	Lys	Leu
	275						280						285		
Leu	Ala	Leu	Phe	Tyr	Thr	Ala	Val	Thr	Ser	Met	Leu	Asn	Pro	Ile	Ile
	290					295					300				
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ala	Ala	Leu	Arg	Arg	Thr	Leu
305					310					315					320
Ser	Leu	Lys	Lys	Pro	Leu	Ala	Ile	Asn	Arg						
			325						330						

<210> 1806

<211> 309
 <212> PRT
 <213> Mus musculus

<400> 1806

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Met Ile Asn Ser Ser Val Ser Ser Asp Phe Ile Leu Val Gly Phe Ser
 1           5           10           15
Asp Gln Pro Gln Leu Glu Arg Arg Leu Phe Ile Val Val Leu Ile Ser
           20           25           30
Tyr Leu Leu Thr Leu Val Gly Asn Thr Ile Ile Ile Leu Ile Ser Ser
           35           40           45
Ile Asp Ser Lys Leu Lys Thr Pro Met Tyr Phe Phe Leu Thr His Leu
           50           55           60
Ser Phe Val Asp Ile Cys Phe Thr Thr Ser Ile Val Pro Gln Leu Leu
65           70           75           80
Trp Asn Leu Lys Gly Pro Ala Lys Thr Ile Thr Ala Val Gly Cys Ala
           85           90           95
Val Gln Leu Tyr Val Ser Leu Thr Leu Gly Ser Thr Glu Cys Ile Leu
           100          105          110
Leu Ala Val Met Ala Phe Asp Arg Tyr Ala Ala Val Cys Lys Pro Leu
           115          120          125
His Tyr Val Ala Val Met Asn Pro Gln Leu Cys Arg Ala Leu Ala Gly
           130          135          140
Ile Ser Trp Leu Ser Gly Ile Gly Asn Ala Leu Ile Gln Gly Thr Ile
145          150          155          160
Thr Leu Trp Leu Pro Arg Cys Gly His Leu Trp Leu His His Phe Phe
           165          170          175
Cys Glu Val Pro Ser Met Ile Lys Leu Ala Cys Val Asp Ile His Ala
           180          185          190
Asn Glu Val Gln Leu Phe Val Ala Ser Leu Val Leu Leu Leu Leu Pro
           195          200          205
Leu Ala Leu Ile Leu Thr Ser Tyr Gly His Ile Ala Lys Ala Val Ile
           210          215          220
Arg Ile Lys Ser Ser Gln Ala Trp Arg Arg Ala Leu Gly Thr Cys Gly
225          230          235          240
Ser His Leu Met Val Val Ser Leu Phe Tyr Gly Ser Ile Thr Ala Ile
           245          250          255
Tyr Ile Gln Pro Asn Ser Ser Tyr Ala His Thr His Gly Lys Phe Ile
           260          265          270
Ser Leu Phe Tyr Thr Val Met Thr Pro Thr Leu Asn Pro Leu Ile Tyr
           275          280          285
Thr Leu Arg Asn Lys Glu Val Lys Gly Ala Leu Gly Arg Leu Phe Asn
           290          295          300
Arg Ala Ser Gly Val
305

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<210> 1807
 <211> 321
 <212> PRT
 <213> Mus musculus

<400> 1807

```

Met Ser Ile Asn Cys Ser Leu Trp Gln Glu Asn Ser Leu Ser Val Lys
 1           5           10           15
Arg Phe Ala Phe Ser Lys Phe Ser Glu Val Pro Gly Glu Cys Phe Leu
           20           25           30

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Leu	Phe	Thr	Leu	Ile	Leu	Leu	Met	Phe	Leu	Val	Ser	Leu	Thr	Gly	Asn
	35						40					45			
Glu	Leu	Ile	Ala	Ile	Ala	Ile	Cys	Thr	Ser	Pro	Ala	Leu	His	Thr	Pro
	50					55					60				
Met	Tyr	Phe	Phe	Leu	Ala	Asn	Leu	Ser	Leu	Leu	Glu	Ile	Gly	Tyr	Thr
65					70					75					80
Cys	Ser	Val	Ile	Pro	Lys	Met	Leu	Gln	Ser	Leu	Val	Ser	Glu	Ala	Arg
				85					90					95	
Glu	Ile	Ser	Arg	Glu	Gly	Cys	Ala	Thr	Gln	Met	Phe	Phe	Phe	Thr	Phe
			100					105					110		
Phe	Gly	Ile	Thr	Glu	Cys	Cys	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg
	115						120					125			
Cys	Met	Ala	Ile	Cys	Ser	Pro	Leu	His	Tyr	Ala	Thr	Arg	Met	Ser	His
	130					135					140				
Gly	Val	Cys	Ala	His	Leu	Ala	Ile	Val	Ser	Trp	Gly	Met	Gly	Cys	Ile
145					150					155					160
Val	Gly	Leu	Gly	Gln	Thr	Asn	Phe	Ile	Phe	Ser	Leu	Asn	Phe	Cys	Gly
				165					170					175	
Pro	Cys	Glu	Ile	Asp	His	Phe	Phe	Cys	Asp	Leu	Pro	Pro	Val	Leu	Ala
		180					185						190		
Leu	Ala	Cys	Gly	Asp	Thr	Ser	Gln	Asn	Glu	Ala	Ala	Ile	Phe	Val	Ala
	195						200					205			
Ala	Ile	Leu	Cys	Ile	Ser	Ser	Pro	Phe	Leu	Leu	Ile	Ile	Tyr	Ser	Tyr
	210					215					220				
Val	Arg	Ile	Leu	Val	Ala	Val	Leu	Val	Met	Pro	Ser	Pro	Glu	Gly	Arg
225					230					235					240
His	Lys	Ala	Leu	Ser	Thr	Cys	Ser	Ser	His	Leu	Leu	Val	Val	Thr	Leu
				245					250					255	
Phe	Phe	Gly	Ser	Gly	Ser	Ile	Thr	Tyr	Leu	Arg	Pro	Lys	Ser	Ser	His
		260					265						270		
Leu	Pro	Gly	Met	Asp	Lys	Leu	Leu	Ala	Leu	Phe	Tyr	Thr	Ala	Val	Thr
	275						280					285			
Ser	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys
	290					295					300				
Thr	Ala	Leu	Arg	Lys	Thr	Leu	Ser	Leu	Lys	Thr	Ser	Arg	Ala	Ile	Asn
305					310					315					320
Arg															

<210> 1808
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1808
 Met Arg Met Asp Asn Lys Ser Thr Val Ser Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Leu Pro Ile Arg Pro Glu Asn Gln Val Ile Tyr Ser Ser Leu Ile Leu
 20 25 30
 Thr Met Tyr Leu Thr Thr Val Leu Gly Asn Leu Leu Ile Ile Leu Leu
 35 40 45
 Ile Arg Leu Asp Pro His Leu His Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 His Leu Ala Leu Thr Asp Ile Ser Phe Ser Ser Val Thr Val Pro Lys
 65 70 75 80
 Met Leu Val Asn Met Leu Thr His Ser Gln Ser Ile Ser Tyr Asp Gly

Leu	Leu	Leu	Ala	Arg	Leu	Ser	Phe	Cys	Ala	Asp	Asn	Thr	Ile	Ser	His
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Ala	Ala	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Ile
			180					185					190		
Ser	Leu	Asn	Glu	Leu	Val	Ile	Phe	Thr	Val	Gly	Thr	Thr	Val	Ile	Thr
		195				200						205			
Leu	Pro	Leu	Ile	Cys	Ile	Leu	Ile	Ser	Tyr	Gly	His	Ile	Val	Ala	Thr
	210					215					220				
Ile	Leu	Lys	Val	Ser	Ser	Asn	Lys	Gly	Ile	Cys	Lys	Ala	Leu	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Tyr	Tyr	Gly	Thr	Ile	Ile
				245					250					255	
Gly	Val	Tyr	Phe	Ile	Pro	Ser	Ser	Phe	Thr	Ser	Thr	Asp	Lys	Gly	Ile
			260					265					270		
Val	Ala	Ser	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Leu	Leu	Asn	Pro	Phe
		275					280						285		
Ile	Tyr	Ser	Ile	Arg	Asn	Arg	Asp	Met	Lys	Glu	Ala	Leu	Lys	Lys	Leu
	290				295						300				
Phe	Asn	Arg	Ala	Ser	Ile	Ser	Thr								
305					310										

<210> 1810
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1810

Met	Arg	Leu	Lys	Asn	His	Ser	Ser	Val	Ser	Glu	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Phe	Pro	Ile	Arg	Pro	Glu	Gln	Gly	Gly	Ile	Phe	Phe	Ser	Leu	Phe	Leu
			20				25						30		
Ala	Met	Tyr	Leu	Ile	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Leu
		35					40					45			
Ile	Arg	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50				55					60					
His	Leu	Ala	Phe	Thr	Asp	Ile	Ser	Phe	Ser	Ser	Val	Thr	Val	Pro	Lys
65					70				75						80
Met	Leu	Thr	Lys	Val	Gln	Asn	Gln	Pro	Ile	Pro	Ile	Thr	Tyr	Glu	Glu
			85					90						95	
Cys	Val	Ser	Gln	Thr	Tyr	Phe	Phe	Ile	Phe	Phe	Ala	Asp	Leu	Asp	Ser
			100					105					110		
Phe	Leu	Ile	Thr	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Met	Ala	Ile	Cys	His
		115				120						125			
Pro	Leu	His	Tyr	Ile	Thr	Ile	Met	Ser	Gln	Ser	Arg	Cys	Ala	Met	Leu
	130					135					140				
Val	Ala	Val	Ser	Trp	Val	Ile	Ala	Ser	Ala	Cys	Ala	Leu	Leu	His	Ser
145					150					155					160
Leu	Leu	Leu	Asp	Gln	Leu	Ser	Phe	Cys	Ala	Asp	His	Thr	Val	Pro	His
				165					170					175	
Phe	Phe	Cys	Asp	Leu	Gly	Ala	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr
			180				185						190		
Ser	Leu	Asn	Gln	Leu	Val	Ile	Phe	Thr	Ala	Gly	Leu	Ala	Ala	Ile	Met
		195				200						205			
Leu	Pro	Phe	Leu	Cys	Ile	Leu	Ile	Ser	Tyr	Gly	Arg	Ile	Gly	Phe	Thr
	210					215					220				
Ile	Leu	Gln	Val	Pro	Thr	Thr	Lys	Gly	Ile	Cys	Lys	Ala	Leu	Ser	Thr

225		230		235		240
Cys Gly Ser His	Leu Ser Val Val Ala Leu Tyr Tyr Gly Ser Ile Ile					
	245	250	255			
Gly Leu Tyr Phe	Leu Pro Pro Ser Asn Ser Lys Ile Asn Asn Asn Ile					
	260	265	270			
Val Ala Ser Val Met Tyr Thr Val Val Thr Pro Met Leu Asn Pro Phe						
	275	280	285			
Ile Tyr Ser Leu Arg Asn Lys Asp Met Lys Gly Ala Leu Lys Lys Leu						
	290	295	300			
Leu Ser Lys Lys Thr Glu Phe Ser Lys						
305	310					

<210> 1811
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1811

Met Glu Gly Val Asn Gln Thr Arg Phe Val Ser Glu Phe Ile Leu Leu	
1 5 10 15	
Gly Leu Ser Pro Arg Pro Glu Asp Gln Lys Pro Leu Phe Ile Leu Phe	
20 25 30	
Leu Thr Ile Tyr Leu Val Thr Leu Thr Gly Asn Leu Leu Ile Ile Leu	
35 40 45	
Ala Ile Arg Ser Asp Pro His Leu His Thr Pro Met Tyr Phe Phe Leu	
50 55 60	
Ser Phe Leu Ser Leu Thr Asp Ile Cys Phe Thr Thr Thr Ile Val Pro	
65 70 75 80	
Lys Met Leu Val Asn Phe Leu Ser Glu Lys Lys Thr Ile Ser Tyr Ala	
85 90 95	
Gly Cys Leu Thr Gln Met Tyr Phe Leu Tyr Ala Leu Gly Asn Ser Asp	
100 105 110	
Ser Cys Leu Leu Ala Val Met Ala Phe Asp Arg Tyr Val Ala Ile Cys	
115 120 125	
Asn Pro Phe His Tyr Val Thr Ile Met Asn His His Arg Cys Ala Leu	
130 135 140	
Leu Val Thr Phe Ser Cys Ser Phe Pro His Phe His Ser Leu Leu His	
145 150 155 160	
Thr Leu Leu Leu Asn Leu Leu Thr Phe Cys Asp Ser Asn Val Ile His	
165 170 175	
His Phe Leu Cys Asp Leu Ser Pro Leu Lys Leu Ser Cys Ser Ser	
180 185 190	
Thr Phe Val Asn Glu Ile Val Ile Val Thr Glu Gly Ala Leu Val Leu	
195 200 205	
Val Thr Pro Phe Leu Cys Ile Ala Phe Ser Tyr Ile Arg Ile Leu Val	
210 215 220	
Thr Val Leu Lys Ile Pro Ser Ala Ala Gly Lys Arg Lys Ala Phe Ser	
225 230 235 240	
Thr Cys Gly Ser His Phe Thr Val Val Thr Leu Phe Tyr Gly Ser Ile	
	245 250 255
Phe Tyr Val Tyr Leu Gln Pro Val Ser Thr Tyr Thr Val Lys Asp His	
	260 265 270
Ile Ala Thr Ile Val Tyr Thr Val Leu Ser Ser Met Leu Asn Pro Phe	
	275 280 285
Ile Tyr Ser Leu Arg Asn Lys Asp Leu Lys Gln Gly Leu Arg Lys Leu	
	290 295 300

Ile Ser Arg Arg His Ile
305 310

<210> 1812
<211> 315
<212> PRT
<213> Mus musculus

<400> 1812
Met Met Thr Arg Asn His Ser Ser Val Ser Glu Phe Leu Leu Leu Gly
1 5 10 15
Leu Ser Glu His Trp Glu Gln Glu Pro Leu Leu Phe Gly Ile Phe Leu
20 25 30
Val Ile Tyr Leu Val Thr Val Val Gly Asn Thr Leu Ile Ile Leu Ala
35 40 45
Ile Val Ser Asp Pro His Leu His Ser Pro Met Tyr Phe Phe Leu Ala
50 55 60
Asn Leu Ser Leu Thr Asp Met Cys Leu Ser Ser Thr Thr Val Pro Arg
65 70 75 80
Met Leu Val Asn Ile Gln Thr Gln Arg His Ser Ile Pro Tyr Ala Gly
85 90 95
Cys Leu Ser Gln Ile Tyr Phe Phe Leu Trp Phe Ile Gly Leu Asp Val
100 105 110
Phe Leu Leu Ala Val Met Ala Tyr Asp Arg Leu Val Ala Ile Cys Tyr
115 120 125
Pro Leu His Tyr Thr Leu Val Met Ser Pro Arg Cys Cys Ile Leu Leu
130 135 140
Val Thr Thr Ser Leu Phe Leu Ala His Ser Tyr Ala Leu Thr His Ile
145 150 155 160
Ile Leu Leu Ser Gln Leu Ser Phe Cys Met Asp Asn Ile Ile Leu His
165 170 175
Phe Phe Cys Glu Leu Leu Pro Met Leu Lys Leu Ser Cys Ser Asn Thr
180 185 190
Tyr Ala Asn Gln Cys Val Leu Leu Tyr Trp Gly Gly Ala Leu Thr Val
195 200 205
Leu Ile Pro Leu Leu Ile Ile Val Ser Tyr Val Arg Ile Val Ala Thr
210 215 220
Ile Val Arg Val Pro Ser Ala Ser Gly Lys Trp Lys Thr Phe Ser Thr
225 230 235 240
Cys Gly Ser His Leu Ser Ala Val Cys Leu Phe Tyr Val Ser Ala Ile
245 250 255
Gly Val Tyr Phe Ile Pro Tyr Ala Ala Asp Ser Ala Ser Arg Asp Arg
260 265 270
Ile Ala Ser Val Met Tyr Ala Val Val Thr Pro Met Leu Asn Pro Phe
275 280 285
Ile Tyr Ser Leu Arg Asn Lys Asp Met Thr Ser Ala Leu Arg Arg Phe
290 295 300
Leu Asn Lys Ile Leu Leu Gln Pro Pro Gln Ser
305 310 315

<210> 1813
<211> 308
<212> PRT
<213> Mus musculus

<400> 1813

Met	Asp	Asn	Ser	Ser	Trp	Thr	Ser	Val	Ser	His	Phe	Val	Leu	Leu	Gly
1				5					10					15	
Ile	Ser	Thr	Asn	Pro	Val	Glu	Gln	Ile	Pro	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Leu	Met	Tyr	Ile	Ile	Asn	Ile	Ser	Gly	Asn	Phe	Phe	Ile	Val	Thr	Leu
		35					40					45			
Ile	Ile	Ser	Thr	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ala	Leu	Ala	Asp	Ile	Cys	Phe	Thr	Ser	Thr	Thr	Val	Pro	Lys
65					70					75					80
Met	Leu	Gln	Asn	Ile	Phe	Ser	Ser	Thr	Lys	Val	Ile	Ser	Tyr	Val	Gly
			85						90					95	
Cys	Leu	Ala	Gln	Thr	Tyr	Phe	Phe	Ile	Cys	Phe	Ala	Ala	Met	Glu	Asn
			100					105					110		
Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	His
			115					120				125			
Pro	Leu	Arg	Tyr	Ser	Ser	Ile	Leu	Thr	Gly	Met	Leu	Cys	Ala	Gln	Met
	130					135					140				
Val	Ala	Leu	Cys	His	Val	Leu	Ser	His	Leu	His	Ala	Leu	Leu	His	Thr
145					150					155					160
Phe	Leu	Met	Gly	Arg	Leu	Ile	Phe	Cys	Ala	Asp	Asn	Arg	Ile	Pro	His
			165						170					175	
Phe	Phe	Cys	Asp	Leu	Tyr	Pro	Leu	Met	Lys	Ile	Ser	Cys	Ser	Ser	Thr
			180					185					190		
Gln	Leu	Asn	Thr	Leu	Met	Ile	His	Thr	Glu	Gly	Val	Ile	Val	Ile	Asn
		195					200					205			
Gly	Ala	Leu	Ala	Phe	Ile	Ile	Ala	Ser	Tyr	Ala	Phe	Ile	Ile	Ser	Ala
	210					215					220				
Val	Leu	Arg	Ile	Pro	Ser	Ala	Asn	Gly	Lys	Trp	Arg	Ser	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Ala	Ile	Phe	Tyr	Gly	Thr	Leu	Thr
			245						250					255	
Trp	Val	Tyr	Phe	Arg	Pro	Leu	Ser	Ser	Tyr	Ser	Val	Val	Lys	Gly	Arg
			260					265					270		
Ile	Val	Thr	Val	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Gly	Asp	Val	Lys	Glu	Ala	Phe	Arg	Lys	Trp
	290					295					300				
Val	Arg	Arg	Val												
305															

<210> 1814

<211> 317

<212> PRT

<213> Mus musculus

<400> 1814

Met	Ala	Thr	Lys	Asn	Lys	Thr	Glu	Val	Thr	Glu	Phe	Val	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Ser	Arg	Pro	Glu	Ile	Gln	Pro	Val	Ile	Phe	Gly	Val	Val	Leu
			20					25					30		
Ile	Met	Tyr	Leu	Met	Ala	Val	Leu	Gly	Asn	Thr	Leu	Leu	Ile	Leu	Val
		35					40					45			
Ala	Cys	Ser	Asp	Pro	Arg	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Ser
	50					55					60				

Gln	Leu	Ser	Leu	Ile	Asp	Ile	Ser	Leu	Thr	Thr	Ile	Thr	Ile	Pro	Gln
65					70					75				80	
Met	Leu	Val	His	Thr	Leu	Ser	Val	Asn	Arg	Ser	Ile	Ser	Tyr	Asn	Arg
				85					90					95	
Cys	Met	Thr	Gln	Leu	Phe	Phe	Phe	Met	Ala	Val	Gly	Ser	Met	Glu	Val
			100					105					110		
Tyr	Leu	Leu	Gly	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asp
		115					120					125			
Pro	Leu	Arg	Tyr	Ser	Ala	Ile	Val	Ser	Tyr	Ser	Leu	Cys	Leu	Gln	Ile
	130					135					140				
Thr	Leu	Thr	Ser	Trp	Met	Val	Val	Ser	Leu	Asn	Ser	Leu	Leu	Tyr	Ser
145					150					155					160
Val	Leu	Val	Thr	Arg	Leu	Thr	Phe	Cys	Gly	Asn	Lys	Val	Thr	His	Phe
				165					170					175	
Phe	Cys	Asp	Ile	Thr	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Thr	Arg	Pro	Val
			180					185					190		
Leu	Asn	Glu	Met	Leu	Ile	Phe	Thr	Glu	Gly	Val	Ala	Val	Val	Gly	Ser
	195						200					205			
Pro	Phe	Phe	Phe	Ile	Trp	Gly	Ser	Tyr	Val	Arg	Ile	Gly	Ile	Ala	Met
	210					215					220				
Ala	His	Met	His	Ser	Phe	Ala	Ala	Leu	Lys	Lys	Ala	Leu	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Ile	Leu	Val	Val	Leu	Leu	Leu	Phe	Gly	Thr	Leu	Ala	Arg
				245					250					255	
Met	Tyr	Leu	Lys	Pro	Ser	Ser	Ser	Tyr	Asp	Leu	Gly	Gln	Asp	Arg	Gln
			260					265					270		
Val	Ala	Ile	Phe	Tyr	Thr	Leu	Ile	Ser	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Gln	Asp	Val	Lys	Gly	Ala	Leu	Trp	Arg	Leu	Phe
	290					295					300				
Arg	Lys	Leu	His	Thr	Ser	Asp	Trp	Leu	Ser	Asp	Lys	Glu			
305					310					315					

<210> 1815
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1815															
Met	Ile	Thr	Glu	Asn	Trp	Thr	Leu	Ala	Gln	Asp	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Phe	Pro	Gly	Ser	Gln	Val	Leu	Gln	Phe	Ser	Leu	Phe	Leu	Phe	Phe	Leu
			20					25					30		
Val	Met	Tyr	Leu	Leu	Thr	Ile	Gly	Gly	Asn	Met	Ala	Ile	Leu	Leu	Leu
	35					40						45			
Val	Ser	Thr	Ser	His	Gln	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Leu	Glu	Ile	Trp	Tyr	Thr	Thr	Ala	Ala	Val	Pro	Lys
65					70					75					80
Ala	Leu	Ala	Ile	Leu	Val	Gly	Lys	Ser	Gln	Ser	Ile	Ser	Phe	Leu	Gly
			85						90					95	
Cys	Leu	Phe	Gln	Met	Tyr	Leu	Val	Phe	Ser	Leu	Gly	Cys	Thr	Glu	Tyr
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Phe
		115					120					125			
Pro	Leu	His	Tyr	Gln	Thr	Ile	Met	Asn	Ser	Leu	Leu	Ser	Ala	Gln	Leu

130	135	140
Ala Leu Ser Ser Trp Ile	Cys Gly Phe Leu	Ala Ile Ser Val Pro Ala
145	150	155
Ala Leu Ile Ser Thr	Leu Ser Phe Cys Gly Thr	His Ala Ile Asn His
	165	170
Phe Phe Cys Asp Ile	Ala Pro Trp Ile	Ala Leu Ala Cys Thr Ser Thr
	180	185
Gln Gly Val Glu Thr	Val Ala Phe Val	Ile Ala Phe Val Val Ile Leu
	195	200
Ser Ser Cys Leu Ile Thr	Leu Ile Ser Tyr Ala	Tyr Ile Ile Arg Thr
	210	215
Ile Leu Arg Ile Pro Ser	Thr Ser Gly Arg Arg	Lys Ala Phe Ser Thr
225	230	235
Cys Ser Ser His Leu Thr	Val Val Leu Ile Trp	Tyr Gly Ser Thr Ile
	245	250
Phe Leu His Val Arg Thr	Ser Ile Lys Asp Asp	Leu Gln Leu Thr Lys
	260	265
Ala Val His Val Leu Asn Thr	Val Val Thr Pro Ala	Leu Asn Pro Phe
	275	280
Ile Tyr Thr Leu Arg Asn	Lys Glu Val Arg Glu	Ile Leu Gly Lys Lys
	290	295
Trp Lys Arg Lys		300
305		

<210> 1816
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1816

Met Met Asn Ser Thr Met Val Thr Glu Phe Leu Leu Glu Val Phe Ala	
1 5 10 15	
Glu Thr Trp Glu Leu Arg Ile Leu Leu Thr Val Leu Phe Leu Leu Met	
20 25 30	
Tyr Leu Gly Ser Leu Phe Gly Asn Leu Ile Ile Ile Ile Val Thr Thr	
35 40 45	
Val Asp Gln Thr Leu Asn Thr Pro Met Tyr Phe Phe Leu Arg Asn Leu	
50 55 60	
Ser Ile Leu Asp Met Gly Phe Val Ser Val Thr Val Pro Asn Ala Cys	
65 70 75 80	
Ile Asn Ser Leu Thr Asp His Arg Asn Ile Ser Val Ala Gly Cys Ala	
85 90 95	
Ala Gln Ile Phe Leu Val Phe Phe Cys Ser Cys Val Glu Ile Gln Phe	
100 105 110	
Leu Thr Thr Met Ala Gln Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu	
115 120 125	
Met Tyr Pro Val Ile Met Thr His Gln Phe Cys Val Gln Met Thr Leu	
130 135 140	
Ala Ser Leu Leu Thr Ser Leu Ile Leu Ala Ser Val His Thr Ser Lys	
145 150 155 160	
Thr Phe Gln Leu Ser Phe Cys His Ser Asn Ile Val Pro Gln Phe Phe	
165 170 175	
Cys Asp Ile Pro Ser Leu Leu Arg Leu Ser Cys Ser Asp Thr Phe Asn	
180 185 190	
Asn Lys Leu Leu Leu Leu Ser Ala Ile Gly Leu Ser Gly Ser Cys	
195 200 205	

Phe	Thr	Phe	Ile	Ala	Val	Ser	Tyr	Val	Arg	Ile	Leu	Ser	Thr	Val	Leu
210						215					220				
Lys	Val	Pro	Val	Lys	Gly	Glu	Arg	Gly	Lys	Ala	Phe	Ser	Thr	Cys	Val
225					230					235					240
Pro	His	Ile	Ile	Val	Val	Ser	Val	Phe	Leu	Ser	Ser	Gly	Ala	Tyr	Val
				245					250					255	
Tyr	Leu	Lys	Pro	Pro	Ala	Ile	Pro	Glu	Ile	Ile	Glu	Asp	Met	Thr	Leu
			260					265					270		
Ser	Val	Phe	Tyr	Thr	Ile	Val	Pro	Pro	Phe	Leu	Asn	Pro	Ile	Ile	Tyr
		275					280					285			
Ser	Leu	Arg	Asn	Lys	Gln	Ile	Lys	Glu	Ala	Val	Lys	Lys	Val	Ile	Phe
290						295					300				
Arg	Phe	Leu	Ser												
305															

<210> 1817
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1817

Met	Asp	Val	Lys	Asn	Gln	Thr	Ala	Val	Thr	Glu	Phe	Ile	Phe	Leu	Gly
1				5					10					15	
Phe	Pro	Gly	Ser	Ser	Ser	Leu	Gln	Leu	Pro	Leu	Phe	Met	Met	Phe	Leu
			20					25					30		
Thr	Val	Tyr	Leu	Leu	Ser	Leu	Met	Gly	Asn	Thr	Leu	Ile	Ile	Phe	Leu
		35					40					45			
Ile	Leu	Val	Asp	Ser	Thr	Leu	Gln	Thr	Pro	Met	Tyr	Ile	Phe	Leu	Gly
	50					55					60				
Asn	Leu	Ser	Phe	Leu	Glu	Ile	Trp	Tyr	Thr	Thr	Ala	Thr	Val	Pro	Lys
65					70					75					80
Leu	Leu	Ala	Thr	Cys	Val	Thr	Lys	Val	Val	Thr	Ile	Pro	Val	Ala	Gly
				85					90					95	
Cys	Ile	Thr	Gln	Tyr	Tyr	Phe	Phe	Phe	Ser	Leu	Gly	Ala	Thr	Glu	Cys
			100					105					110		
Ile	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	His	Val	Ala	Val	Cys	Arg
		115					120					125			
Pro	Leu	His	Tyr	Ser	Leu	Leu	Met	Ser	Val	His	Ile	Cys	Leu	Arg	Phe
	130					135					140				
Ser	Ala	Ala	Ser	Trp	Val	Gly	Gly	Phe	Leu	Ala	Pro	Leu	Leu	Pro	Thr
145					150					155					160
Ile	Leu	Ile	Ser	Gln	Leu	Asn	Phe	Cys	Gly	Pro	Gln	Lys	Ile	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Ser	Asp	Pro	Ile	Phe	Lys	Leu	Ser	Cys	Ser	Asp	Thr
			180					185					190		
Phe	Leu	Val	Glu	Ala	Leu	Gly	Tyr	Thr	Cys	Ser	Ser	Val	Val	Ile	Leu
		195					200					205			
Ser	Ser	Phe	Leu	Leu	Thr	Met	Ser	Ser	Tyr	Gly	Asn	Ile	Val	Val	Thr
	210					215					220				
Ile	Ile	Arg	Leu	Ser	Ser	Arg	Glu	Ala	Arg	Lys	Lys	Thr	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Thr	Val	Val	Thr	Ile	Tyr	Tyr	Gly	Thr	Ile	Ile
				245					250					255	
Phe	Ala	Tyr	Val	Arg	Pro	Pro	Ala	Lys	Tyr	Asn	Phe	Thr	Ile	Gly	Lys
			260					265					270		
Val	Val	Ser	Val	Phe	Tyr	Cys	Val	Ile	Thr	Pro	Leu	Val	Asn	Pro	Leu

	275		280		285
Ile	Tyr Thr Leu Arg Asn Lys Asp Val Met Lys Ala Phe Gln Lys Phe				
	290		295		300
Leu	Ser Gln Lys Lys Phe Leu Met Gly Lys Asn Met His Gly Leu				
305		310		315	

<210> 1818
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1818

Met	Met	Asn	Ser	Thr	Met	Val	Thr	Glu	Phe	Leu	Leu	Glu	Val	Phe	Ala
1				5					10					15	
Glu	Thr	Trp	Glu	Leu	Arg	Val	Leu	Leu	Ser	Val	Leu	Phe	Leu	Leu	Val
			20					25					30		
Tyr	Leu	Gly	Ser	Leu	Phe	Gly	Asn	Leu	Thr	Ile	Ile	Ile	Val	Thr	Thr
		35					40					45			
Val	Asp	Gln	Thr	Leu	Asn	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Leu
	50				55					60					
Ser	Ile	Leu	Asp	Met	Cys	Tyr	Val	Ser	Ile	Thr	Val	Pro	Asn	Ala	Cys
65				70					75					80	
Ile	Asn	Ser	Leu	Thr	Asp	His	Arg	Asn	Ile	Ser	Val	Thr	Gly	Cys	Ala
			85					90					95		
Ala	Gln	Ile	Phe	Leu	Phe	Phe	Phe	Cys	Ala	Cys	Val	Glu	Val	Gln	Phe
		100						105					110		
Leu	Thr	Ile	Met	Ala	Gln	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
	115					120						125			
Leu	Tyr	Pro	Met	Ile	Met	Asn	His	Gln	Phe	Cys	Val	Gln	Met	Thr	Leu
	130				135						140				
Ala	Ser	Leu	Leu	Thr	Ser	Leu	Ile	Leu	Ser	Gly	Met	Asn	Thr	Phe	Lys
145					150					155				160	
Thr	Phe	Gln	Leu	Ser	Phe	Cys	His	Ser	Asn	Val	Val	Pro	Gln	Phe	Phe
			165					170					175		
Cys	Glu	Leu	Pro	Ala	Leu	Leu	Arg	Leu	Thr	Cys	Ser	Asp	Thr	Phe	Asn
		180					185					190			
Asn	Lys	Ile	Ile	Leu	Leu	Leu	Thr	Ala	Ile	Gly	Leu	Ser	Gly	Thr	Cys
	195					200						205			
Phe	Thr	Phe	Ile	Ala	Ile	Ser	Tyr	Val	Arg	Ile	Leu	Ser	Thr	Val	Leu
	210				215						220				
Lys	Val	Pro	Val	Lys	Gly	Arg	Gly	Lys	Ala	Phe	Ser	Thr	Cys	Val	
225				230					235				240		
Pro	His	Ile	Ile	Val	Ala	Tyr	Leu	Phe	Phe	Cys	Ser	Gly	Ala	Tyr	Ala
			245					250					255		
Tyr	Leu	Arg	Pro	Ser	Ala	Ile	Ser	Glu	Val	Val	Glu	Asp	Met	Thr	Leu
		260					265					270			
Ser	Val	Phe	Tyr	Thr	Thr	Val	Pro	Pro	Phe	Leu	Asn	Pro	Ile	Ile	Tyr
	275					280					285				
Ser	Leu	Arg	Asn	Lys	Pro	Asn	Lys	Glu	Gly	Cys	Glu	Glu	Ser	Asn	Ile
	290					295					300				
His	Ile	Phe	His	Ser											
305															

<210> 1819
 <211> 313

<212> PRT
 <213> Mus musculus

<400> 1819

Met	Pro	Asn	Ile	Thr	Ala	Phe	Thr	Gly	Phe	Leu	Leu	Thr	Ala	Phe	Phe
1			5					10					15		
Asp	Ser	Gln	Glu	Leu	Gln	Thr	Leu	Trp	Gly	Val	Phe	Phe	Leu	Gly	Ile
		20						25					30		
Tyr	Leu	Glu	Ala	Leu	Met	Ser	Asn	Leu	Ile	Ile	Ile	Thr	Leu	Ile	Thr
	35						40					45			
Leu	Asp	Leu	Gln	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Lys	Asn	Leu
	50					55					60				
Ser	Leu	Leu	Asp	Val	Phe	Phe	Val	Ser	Val	Pro	Ile	Pro	Lys	Phe	Val
65					70					75					80
Val	Asn	Ser	Leu	Ile	His	Asn	Asn	Ser	Ile	Ser	Val	Leu	Ala	Cys	Ala
			85						90					95	
Phe	Gln	Val	Phe	Leu	Met	Thr	Ser	Phe	Ser	Ser	Gly	Glu	Val	Phe	Val
			100					105					110		
Leu	Thr	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe	Pro	Leu
		115				120						125			
Asn	Tyr	Gly	Ala	Ile	Met	Asn	Asn	His	Thr	Cys	Val	Leu	Met	Met	Gly
	130					135					140				
Val	Ser	Trp	Ala	Thr	Gly	Met	Leu	Phe	Gly	Ala	Ile	Tyr	Thr	Ala	Gly
145					150					155					160
Thr	Phe	Ser	Met	Pro	Phe	Cys	Gly	Ser	Asn	Val	Ile	Pro	Gln	Phe	Phe
			165						170					175	
Cys	Asp	Val	Pro	Ser	Leu	Leu	Arg	Ile	Ser	Cys	Ser	Glu	Thr	Leu	Val
			180					185					190		
Ala	Ile	Tyr	Ser	Cys	Leu	Gly	Ile	Gly	Val	Cys	Leu	Gly	Met	Ser	Cys
	195						200					205			
Phe	Ile	Cys	Val	Val	Ile	Ser	Tyr	Phe	Tyr	Ile	Phe	Ser	Thr	Val	Leu
	210					215					220				
Lys	Ile	Pro	Thr	Thr	Lys	Gly	Gln	Ser	Lys	Ala	Phe	Ala	Thr	Cys	Ile
225					230					235					240
Pro	His	Leu	Thr	Val	Phe	Thr	Val	Phe	Leu	Val	Thr	Ala	Cys	Phe	Val
			245						250					255	
Tyr	Leu	Lys	Pro	Phe	Thr	Asn	Thr	Leu	Ser	Ile	Ser	Glu	Arg	Leu	Phe
		260						265					270		
Ser	Val	Leu	Tyr	Thr	Val	Leu	Pro	Ala	Leu	Asn	Pro	Leu	Ile	Tyr	
	275						280					285			
Ser	Leu	Arg	Asn	Thr	Asp	Val	Lys	Ser	Ala	Leu	Arg	Arg	Leu	Gln	Gln
	290					295					300				
Asn	Leu	Cys	Leu	Arg	Arg	Leu	Leu	Ile							
305					310										

<210> 1820
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1820

Met	Pro	Asn	Val	Thr	Ala	Val	Thr	Gly	Phe	Ile	Leu	Met	Gly	Phe	Ser
1			5					10					15		
Asp	Ile	His	Glu	Leu	Gln	Ile	Leu	Cys	Gly	Val	Leu	Phe	Leu	Val	Leu
		20						25					30		
Tyr	Leu	Gly	Ile	Leu	Met	Ser	Asn	Leu	Leu	Ile	Ile	Ile	Leu	Ile	Thr

Leu	Gly	Ser	Met	Ser	Phe	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Lys	Pro	Leu
	115						120					125			
Arg	Tyr	Pro	Thr	Ile	Met	Thr	Ser	Asn	Leu	Cys	Leu	Gln	Leu	Ala	Leu
	130					135					140				
Ser	Ser	Trp	Leu	Ala	Gly	Phe	Thr	Ile	Val	Phe	Cys	Gln	Thr	Met	Leu
145					150					155					160
Ile	Val	Gln	Leu	Pro	Phe	Cys	Gly	Asn	Asn	Val	Ile	Asn	His	Phe	Tyr
				165					170					175	
Cys	Asp	Val	Gly	Pro	Ile	Leu	Lys	Ala	Ala	Cys	Ala	Asp	Thr	Ser	Ile
			180					185					190		
Leu	Glu	Leu	Leu	Gly	Leu	Leu	Ala	Thr	Ile	Leu	Val	Ile	Pro	Gly	Ser
	195						200					205			
Leu	Leu	Phe	Thr	Ile	Ile	Ser	Tyr	Ile	Tyr	Ile	Leu	Ser	Thr	Ile	Leu
	210					215					220				
Arg	Ile	Pro	Ser	Ala	Thr	Gly	Arg	Gln	Lys	Ala	Phe	Ser	Thr	Cys	Ala
225				230						235					240
Ser	His	Leu	Thr	Val	Val	Ser	Leu	Leu	Tyr	Gly	Ala	Val	Leu	Phe	Met
				245					250					255	
Tyr	Leu	Arg	Pro	Thr	Ala	His	Ser	Ser	Phe	Lys	Ile	Asn	Lys	Val	Val
		260					265						270		
Ser	Val	Leu	Asn	Thr	Ile	Leu	Thr	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr
	275						280					285			
Thr	Ile	Arg	Asn	Lys	Glu	Val	Lys	Gly	Ala	Leu	Arg	Lys	Ala	Ile	Thr
	290					295					300				
Cys	Ala	Asn	Arg	His	His	Ala	Lys								
305					310										

<210> 1822
 <211> 307
 <212> PRT
 <213> Mus musculus

<400> 1822

Met	Glu	Ser	Gly	Asn	Leu	Ser	Met	Ile	Ile	Glu	Phe	Ile	Leu	Thr	Gly
1				5					10					15	
Phe	Pro	Thr	Lys	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Gly	Ile	Tyr	Leu	Val	Thr	Val	Leu	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu
	35						40					45			
Ile	Val	Leu	Ser	Ser	Gly	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Ser	Leu	Ser	Phe	Ile	Asp	Leu	Cys	His	Ser	Thr	Val	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Leu	Asn	Phe	Leu	Leu	Glu	Glu	Asn	Ile	Ile	Ser	Tyr	Pro	Glu
			85						90					95	
Cys	Met	Thr	Gln	Leu	Tyr	Phe	Phe	Ser	Leu	Phe	Ala	Ile	Ala	Glu	Cys
			100					105					110		
His	Met	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
	115					120						125			
Pro	Leu	Leu	Tyr	Lys	Val	Val	Met	Ser	His	His	Val	Cys	Phe	Trp	Phe
	130					135					140				
Thr	Val	Gly	Val	Tyr	Thr	Leu	Gly	Ile	Leu	Gly	Ser	Ser	Val	His	Thr
145					150					155					160
Gly	Leu	Met	Leu	Lys	Leu	Phe	Phe	Cys	Lys	Thr	Asn	Lys	Ile	Asn	His
				165					170					175	
Tyr	Phe	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Glu	Leu	Ser	Cys	Ser	Ser	Ile

<210> 1825
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1825
 Met Leu Lys Gly Asn Leu Ser Glu Val Thr Glu Phe Ile Leu Ala Gly
 1 5 10 15
 Leu Thr Asn Lys Pro Glu Leu Gln Leu Pro Leu Phe Leu Leu Phe Leu
 20 25 30
 Ala Ile Tyr Val Val Thr Val Val Gly Asn Leu Gly Met Ile Ile Leu
 35 40 45
 Ile Leu Leu Ser Ser His Leu His Thr Pro Met Tyr Tyr Phe Leu Ser
 50 55 60
 Ser Leu Ser Phe Ile Asp Leu Cys Gln Ser Thr Val Ile Ile Pro Lys
 65 70 75 80
 Met Leu Val Asn Phe Val Thr Val Lys Asn Ile Ile Ser Tyr Pro Glu
 85 90 95
 Cys Met Thr Gln Leu Tyr Phe Phe Val Thr Phe Ala Ile Ala Glu Cys
 100 105 110
 His Met Leu Ala Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Asn
 115 120 125
 Pro Leu Leu Tyr Asn Ala Val Met Ser Phe Gln Val Cys Ser Ser Met
 130 135 140
 Ile Phe Gly Val Tyr Ser Ile Ala Leu Ile Gly Ala Thr Thr His Thr
 145 150 155 160
 Val Cys Met Leu Arg Val Asn Phe Cys Lys Ala Asn Val Ile Asn His
 165 170 175
 Tyr Phe Cys Asp Leu Phe Pro Leu Leu Glu Leu Pro Cys Ser Asp Thr
 180 185 190
 Phe Ile Asn Glu Val Val Val Leu Cys Phe Ser Val Phe Asn Ile Phe
 195 200 205
 Ile Pro Thr Leu Thr Ile Leu Thr Ser Tyr Ile Phe Ile Ile Ala Ser
 210 215 220
 Ile Leu Arg Ile Lys Ser Thr Glu Gly Arg Ser Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Ser Ser His Ile Ser Ala Val Ala Ile Phe Phe Gly Ser Leu Ala
 245 250 255
 Phe Met Tyr Leu Gln Pro Ser Ser Val Ser Ser Met Asp Gln Gly Lys
 260 265 270
 Val Ser Ser Val Phe Tyr Thr Ile Val Val Pro Met Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Val Ala Leu Asn Lys Phe
 290 295 300
 Phe Glu Arg Lys Phe Phe Leu
 305 310

<210> 1826
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1826
 Met Phe Gln Gly Asn Leu Ser Gly Val Thr Glu Phe Asn Leu Ala Gly
 1 5 10 15

Leu	Thr	Asp	Lys	Pro	Gly	Leu	Gln	Val	Pro	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Gly	Ile	Tyr	Val	Val	Thr	Val	Val	Gly	Asn	Leu	Ser	Met	Ile	Thr	Leu
		35					40					45			
Ile	Leu	Phe	Ser	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Ser
	50					55					60				
Ser	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Gln	Ser	Asn	Val	Ile	Ile	Pro	Lys
65					70					75					80
Met	Leu	Val	Asn	Phe	Leu	Ala	Val	Lys	Asn	Ile	Ile	Ser	Tyr	Pro	Glu
				85					90					95	
Cys	Leu	Thr	Gln	Leu	Cys	Phe	Phe	Ala	Thr	Phe	Gly	Ile	Ala	Glu	Cys
			100					105					110		
Gln	Met	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Leu	Tyr	Asn	Ala	Val	Met	Ser	Phe	Gln	Val	Cys	Ser	Trp	Met
	130					135					140				
Ile	Phe	Gly	Val	Phe	Ser	Met	Ala	Leu	Ile	Gly	Ala	Thr	Thr	Gln	Thr
145					150					155					160
Val	Cys	Met	Leu	Arg	Val	Asp	Phe	Cys	Asn	Ala	Asn	Val	Ile	Asn	His
				165					170					175	
Tyr	Phe	Cys	Asp	Leu	Ser	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Thr
		180						185					190		
Phe	Ile	Asn	Glu	Val	Leu	Ala	Leu	Cys	Phe	Ser	Val	Phe	Asn	Ile	Phe
		195					200					205			
Ile	Pro	Thr	Leu	Thr	Ile	Leu	Ser	Ser	Tyr	Ile	Phe	Ile	Ile	Ala	Ser
	210					215					220				
Ile	Leu	Gln	Ile	Lys	Ser	Thr	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Ser	Ala	Val	Ala	Ile	Phe	Phe	Gly	Ser	Leu	Ala
			245						250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Val	Ser	Ser	Met	Asp	Gln	Gly	Lys
		260						265					270		
Val	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Val	Val	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Val	Ala	Leu	Asn	Lys	Phe
	290					295					300				
Leu	Glu	Arg	Ile	Phe	Ser	Cys	Lys	Gln	Asn						
305					310										

<210> 1827

<211> 312

<212> PRT

<213> Mus musculus

<400> 1827

Met	Ala	Tyr	Ser	Asn	Gln	Ser	Arg	Val	Thr	Glu	Phe	Ile	Ile	Ala	Gly
1				5					10					15	
Leu	Thr	Asn	Lys	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Leu
		20						25					30		
Gly	Ile	Tyr	Leu	Phe	Thr	Val	Leu	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu
		35					40					45			
Ile	Leu	Leu	Ser	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Ser	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Tyr	Ser	Thr	Ile	Ile	Thr	Pro	Lys
65					70					75					80
Met	Leu	Val	Asn	Phe	Val	Thr	Thr	Lys	Asn	Val	Ile	Ser	Tyr	Gln	Glu

Gly	Leu	Thr	Ile	His	Leu	Pro	Phe	Cys	Gly	Pro	Asp	Lys	Leu	Asp	Asn
				165					170					175	
Phe	Tyr	Cys	Asp	Val	Pro	Gln	Leu	Ile	Lys	Leu	Ala	Cys	Thr	Asp	Thr
			180					185					190		
Phe	Val	Leu	Glu	Leu	Leu	Met	Val	Ser	Asn	Asn	Gly	Leu	Val	Thr	Leu
		195					200					205			
Met	Cys	Phe	Leu	Val	Leu	Leu	Gly	Ser	Tyr	Thr	Ala	Leu	Leu	Val	Met
	210					215					220				
Leu	Arg	Ser	His	Ser	Lys	Glu	Gly	Arg	Ser	Lys	Ala	Leu	Ser	Thr	Cys
225					230					235					240
Ala	Ser	His	Ile	Thr	Val	Val	Thr	Ile	Ile	Phe	Val	Pro	Cys	Ile	Tyr
			245						250					255	
Ile	Tyr	Ala	Arg	Pro	Phe	Arg	Thr	Phe	Pro	Met	Asp	Lys	Ala	Val	Ser
		260						265					270		
Val	Leu	Tyr	Thr	Met	Val	Thr	Pro	Met	Leu	Asn	Pro	Ala	Ile	Tyr	Thr
		275					280					285			
Leu	Arg	Asn	Lys	Glu	Val	Ile	Val	Ala	Met	Lys	Lys	Leu	Trp	Arg	Arg
	290					295					300				
Lys	Lys	Asp	Phe	Leu	Gly	Ser	Ser	Asp	His						
305					310										

<210> 1829

<211> 312

<212> PRT

<213> Mus musculus

<400> 1829

Met	Gly	Asn	Tyr	Ser	Ala	Val	Thr	Glu	Phe	Phe	Leu	Val	Gly	Leu	Ser
1				5					10					15	
Gln	Tyr	Pro	Glu	Leu	Gln	Leu	Phe	Leu	Phe	Val	Leu	Cys	Leu	Ile	Met
			20					25					30		
Tyr	Leu	Ile	Ile	Leu	Leu	Gly	Asn	Ser	Leu	Leu	Ile	Ile	Ile	Ser	Ile
		35					40					45			
Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Asn	Leu
	50					55					60				
Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Thr	Ser	Ser	Ser	Ile	Pro	Gln	Met	Leu
65					70					75					80
Ile	Met	Phe	Met	Ser	Ala	Arg	Lys	Ser	Ile	Ser	Phe	Leu	Gly	Cys	Ala
				85					90					95	
Leu	Gln	Met	Val	Ile	Ser	Leu	Gly	Leu	Gly	Ser	Thr	Glu	Cys	Val	Leu
		100						105					110		
Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Asn	Pro	Leu
		115					120					125			
Arg	Tyr	Pro	Ile	Ile	Met	Asn	Lys	Val	Leu	Tyr	Val	His	Met	Ala	Val
	130					135						140			
Trp	Ser	Trp	Val	Ile	Gly	Cys	Leu	Asn	Ser	Leu	Val	Gln	Thr	Val	Leu
145					150					155					160
Thr	Met	Val	Leu	Pro	Phe	Cys	Gly	Asn	Asn	Val	Ile	Asp	His	Leu	Thr
				165					170					175	
Cys	Glu	Ile	Leu	Ala	Leu	Leu	Lys	Leu	Val	Cys	Ser	Asp	Ile	Thr	Met
		180						185					190		
Asn	Val	Leu	Ile	Met	Thr	Val	Ala	Ser	Ile	Val	Leu	Leu	Met	Ile	Pro
		195					200					205			
Leu	Met	Leu	Ile	Phe	Val	Ser	Tyr	Ile	Phe	Ile	Leu	Ser	Ser	Ile	Leu
	210					215					220				
Arg	Ile	Asn	Ser	Ala	Glu	Gly	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser

225					230					235				240
Ala	His	Leu	Thr	Val	Val	Ile	Leu	Phe	Tyr	Gly	Ser	Ala	Leu	Phe Met
				245					250					255
Tyr	Met	Lys	Pro	Lys	Ser	Lys	Tyr	Thr	Lys	Ala	Ser	Asp	Glu	Ile Ile
			260					265					270	
Gly	Leu	Ser	Tyr	Gly	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Ile	Ile Tyr
		275					280					285		
Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Glu	Ala	Val	Lys	Lys	Ile	Leu Ser
	290					295					300			
Lys	Arg	Leu	Tyr	Leu	Arg	Lys	Ile							
305					310									

<210> 1830
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1830

Met	Glu	Pro	Gln	Asn	His	Thr	Ser	Ala	Ser	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Glu	Lys	Pro	Asp	His	Asp	Pro	Val	Leu	Phe	Ser	Leu	Phe	Leu
		20						25					30		
Cys	Met	Tyr	Met	Ile	Thr	Val	Val	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala
	35						40					45			
Ile	Ser	Phe	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala
	50					55					60				
Asn	Leu	Ser	Leu	Val	Asp	Phe	Cys	Leu	Ala	Thr	Asn	Thr	Val	Pro	Lys
65				70						75					80
Met	Leu	Val	Asn	Ile	Gln	Thr	Arg	Asn	Lys	Ser	Ile	Ser	Tyr	Pro	Cys
			85					90						95	
Cys	Leu	Thr	Gln	Met	Tyr	Phe	Phe	His	Phe	Phe	Gly	Ile	Met	Asp	Ser
		100						105					110		
Val	Leu	Ile	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	His
	115					120						125			
Pro	Leu	His	Tyr	Ser	Thr	Ile	Met	Ser	Pro	Arg	Leu	Cys	Gly	Leu	Leu
	130					135					140				
Val	Gly	Val	Pro	Trp	Val	Tyr	Ser	Cys	Phe	Ile	Ser	Leu	Thr	His	Ile
145				150						155					160
Leu	Leu	Met	Ala	Arg	Leu	Val	Phe	Cys	Gly	Lys	Asn	Glu	Leu	Pro	His
			165					170						175	
Tyr	Phe	Cys	Asp	Leu	Thr	Pro	Leu	Leu	Arg	Leu	Ser	Cys	Thr	Asp	Thr
		180						185					190		
Thr	Val	Asn	Lys	Ile	Phe	Val	Leu	Ile	Val	Ala	Gly	Met	Val	Ile	Ala
	195						200					205			
Thr	Pro	Phe	Val	Cys	Ile	Leu	Ala	Ser	Tyr	Ala	Arg	Ile	Ile	Val	Ala
	210					215					220				
Ile	Met	Lys	Val	Pro	Ser	Ala	Gly	Gly	Arg	Lys	Lys	Ala	Phe	Ser	Thr
225				230						235					240
Cys	Ser	Ser	His	Leu	Ser	Val	Val	Ala	Leu	Phe	Tyr	Gly	Thr	Thr	Ile
			245						250					255	
Gly	Val	Tyr	Leu	Cys	Pro	Ser	Ser	Val	Arg	Thr	Ala	Val	Lys	Glu	Lys
		260						265					270		
Ala	Ser	Ala	Val	Met	Tyr	Thr	Ala	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Leu	Lys	Gly	Ala	Leu	Lys	Lys	Ile
	290					295					300				

Ile Asn Arg Lys Ile Ser Thr Ser Ser
 305 310

<210> 1831
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1831
 Met Glu Ser Lys Asn Gln Thr Asp Val Ser Glu Phe Phe Leu Met Gly
 1 5 10 15
 Ile Thr Asp Asp Ile Ala Leu Lys Pro Leu Ile Phe Ser Met Phe Thr
 20 25 30
 Ser Met Tyr Leu Ile Thr Ile Leu Gly Asn Leu Leu Ile Ile Leu Thr
 35 40 45
 Val Cys Ser Asp Ser His Leu Gln Thr Pro Met Tyr Ile Phe Leu Ser
 50 55 60
 Asn Leu Ser Phe Asn Asp Ile Cys Leu Ser Thr Thr Ile Ile Pro Lys
 65 70 75 80
 Thr Leu Val Asn Ile His Ala Gln Asp Gln Ser Ile Thr Tyr Thr Ser
 85 90 95
 Cys Leu Thr Gln Ile Cys Phe Thr Leu Phe Cys Ser Phe Glu Ser
 100 105 110
 Cys Leu Leu Ser Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
 115 120 125
 Pro Leu Asn Tyr Thr Thr Ile Met Asn Pro Gln Thr Cys Gly Leu Leu
 130 135 140
 Ile Leu Leu Ser Leu Ile Ile Ser Leu Val Asn Ser Gly Leu Leu Gly
 145 150 155 160
 Leu Met Val Leu Arg Leu Ser Phe Cys Thr Asn Leu Glu Ile Pro Leu
 165 170 175
 Phe Phe Cys Glu Leu Ala Gln Val Ile Lys Leu Ala Cys Ser Asp Thr
 180 185 190
 Leu Val Asn Tyr Ile Leu Ile Tyr Leu Ala Thr Ile Ile Leu Asn Gly
 195 200 205
 Ile Pro Ile Ser Gly Ile Ile Phe Ser Tyr Thr Gln Ile Ala Ser Ser
 210 215 220
 Val Leu Arg Met Ser Ser Val Lys Gly Lys Tyr Lys Ala Ile Ser Thr
 225 230 235 240
 Cys Gly Ser His Leu Ser Val Val Ser Leu Phe Tyr Gly Thr Ala Leu
 245 250 255
 Gly Val Tyr Ile Ser Ser Ser Phe Thr Thr Ser Val Thr Asn Thr Ala
 260 265 270
 Phe Ala Tyr Val Met Cys Thr Leu Val Pro Gln Met Leu Asn Pro Phe
 275 280 285
 Ile Tyr Ser Leu Arg Asn Arg Asp Met Glu Val Ala Leu Arg Lys His
 290 295 300
 Ile Asn Arg Ala Met Cys Leu Leu
 305 310

<210> 1832
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1832

Met	Gly	Arg	Glu	Asn	Gln	Ser	Phe	Val	Asp	Glu	Phe	Val	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Gln	Asp	Ala	Gln	Thr	Gln	Ile	Leu	Leu	Phe	Val	Leu	Phe	Phe
			20					25					30		
Ile	Val	Tyr	Ile	Leu	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Val	Leu
		35					40					45			
Ile	Leu	Met	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg
		50				55					60				
Asn	Leu	Ser	Phe	Ala	Asp	Leu	Cys	Phe	Ser	Asn	Ser	Ile	Val	Pro	Gln
65					70					75					80
Val	Leu	Ser	His	Phe	Leu	Val	Lys	Arg	Lys	Thr	Ile	Ser	Phe	Trp	Gly
			85						90					95	
Cys	Val	Thr	Gln	Val	Ile	Val	Ser	Leu	Gln	Ile	Gly	Cys	Thr	Glu	Cys
			100					105					110		
Ala	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Lys
			115				120					125			
Pro	Leu	His	Tyr	Ser	Thr	Ile	Met	Thr	Gln	Gln	Leu	Cys	Leu	Gln	Leu
			130			135						140			
Ala	Leu	Gly	Ser	Trp	Ala	Ser	Gly	Leu	Leu	Val	Cys	Leu	Val	Asp	Ile
145					150					155					160
Ala	Val	Ala	Phe	His	Leu	Pro	Tyr	Arg	Gly	Gln	Asn	Ile	Val	Ser	His
			165						170					175	
Tyr	Phe	Cys	Glu	Leu	Pro	Ala	Leu	Leu	Lys	Val	Ala	Ser	Ala	Asp	Thr
			180					185					190		
Tyr	Ser	Thr	Glu	Met	Ala	Ile	Phe	Ala	Met	Gly	Val	Val	Ile	Leu	Leu
		195				200						205			
Ala	Pro	Val	Ser	Leu	Ile	Leu	Ile	Ser	Tyr	Trp	Asn	Ile	Ile	Ser	Thr
		210				215					220				
Val	Ile	Gln	Met	Gln	Ser	Gly	Glu	Gly	Arg	Leu	Lys	Val	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ile	Val	Val	Val	Leu	Phe	Tyr	Gly	Ser	Ala	Ile
			245						250					255	
Phe	Asn	Tyr	Met	Gln	Pro	Asn	Thr	Lys	Thr	Arg	Lys	Lys	Gln	Asp	Lys
			260					265					270		
Ile	Met	Ser	Val	Phe	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Ile
		275				280						285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Ser	Ala	Phe	Arg	Lys	Leu
		290				295					300				
Ala	Ala	Arg	Val	Val	Phe	Arg	Lys	Gln							
305					310										

<210> 1833

<211> 321

<212> PRT

<213> Mus musculus

<400> 1833

Met	Lys	Ser	Cys	Lys	Arg	Met	Thr	Trp	Gly	Asn	Trp	Thr	Thr	Val	Arg
1				5					10					15	
Glu	Phe	Ile	Leu	Met	Ser	Phe	Ser	Ser	Leu	Ser	Tyr	Glu	Val	Gln	Ala
			20					25					30		
Leu	Leu	Phe	Leu	Leu	Phe	Leu	Ile	Ile	Tyr	Leu	Val	Thr	Leu	Met	Gly
		35				40						45			
Asn	Val	Leu	Ile	Ile	Leu	Val	Thr	Thr	Ala	Asp	Ser	Ala	Leu	Gln	Ser
		50				55					60				

Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Leu	Ser	Phe	Leu	Glu	Ile	Gly	Phe
65					70					75					80
Asn	Leu	Val	Ile	Val	Pro	Lys	Met	Leu	Ser	Thr	Leu	Ile	Leu	Gln	Asp
				85					90					95	
Lys	Thr	Ile	Ser	Phe	Leu	Gly	Cys	Ala	Thr	Gln	Met	Tyr	Phe	Phe	Phe
			100					105					110		
Phe	Phe	Gly	Ala	Ala	Glu	Cys	Cys	Leu	Leu	Ala	Thr	Met	Ala	Tyr	Asp
		115					120					125			
Arg	Tyr	Met	Ala	Ile	Cys	Asp	Pro	Leu	His	Tyr	Pro	Ile	Ile	Met	Ser
	130					135					140				
Arg	Arg	Ser	Cys	Ala	Gln	Leu	Ala	Ala	Ala	Ser	Trp	Phe	Ser	Gly	Phe
145					150					155					160
Pro	Val	Ala	Thr	Val	Gln	Thr	Thr	Trp	Ile	Phe	Ser	Phe	Pro	Phe	Cys
				165					170					175	
Gly	Pro	Asn	Met	Val	Asn	His	Phe	Phe	Cys	Asp	Ser	Pro	Pro	Val	Ile
			180					185					190		
Ala	Leu	Val	Cys	Ala	Asp	Thr	Ser	Leu	Phe	Glu	Leu	Glu	Ala	Leu	Thr
		195					200					205			
Ala	Thr	Val	Leu	Phe	Ile	Leu	Phe	Pro	Phe	Leu	Leu	Ile	Leu	Gly	Ser
	210					215						220			
Tyr	Val	Arg	Ile	Leu	Ser	Thr	Ile	Phe	Arg	Met	Pro	Ser	Ala	Glu	Gly
225					230					235					240
Lys	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Leu	Val	Val	Ser
			245						250					255	
Leu	Phe	Tyr	Ser	Thr	Ala	Ile	Leu	Thr	Tyr	Phe	Arg	Pro	Arg	Ser	Asn
			260					265					270		
Thr	Ser	Pro	Glu	Asn	Lys	Lys	Met	Leu	Ser	Leu	Ser	Tyr	Thr	Val	Ile
		275					280					285			
Thr	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Val
	290					295					300				
Lys	Ala	Ala	Leu	Arg	Arg	Ile	Ile	His	Arg	Thr	Leu	Gly	Pro	Gln	Lys
305					310					315					320
Leu															

<210> 1834
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1834

Met	Glu	Leu	Trp	Asn	Ser	Thr	Val	Gly	Ser	Gly	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Ile	Leu	Asp	Gly	Ser	Gly	Ser	Pro	Glu	Leu	Leu	Cys	Ala	Ala	Ile	Thr
			20					25					30		
Ala	Leu	Tyr	Phe	Leu	Ala	Leu	Thr	Ser	Asn	Gly	Leu	Leu	Leu	Leu	Val
		35					40					45			
Ile	Thr	Met	Asp	Ala	Arg	Leu	His	Val	Pro	Met	Tyr	Leu	Leu	Leu	Gly
	50					55					60				
Gln	Leu	Ser	Leu	Met	Asp	Leu	Leu	Leu	Thr	Ser	Val	Ile	Thr	Pro	Lys
65					70					75					80
Ala	Val	Val	Asp	Phe	Leu	Leu	Lys	Asp	Asn	Thr	Ile	Ser	Phe	Gly	Gly
				85					90					95	
Cys	Ala	Leu	Gln	Met	Phe	Leu	Glu	Leu	Ala	Leu	Gly	Ser	Ala	Glu	Asp
			100					105					110		
Leu	Leu	Leu	Ala	Phe	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Gln

Tyr	Thr	Ala	Glu	Met	Val	Ile	Phe	Ala	Met	Gly	Ile	Ile	Ile	Leu	Leu
		195					200					205			
Gly	Pro	Val	Ser	Leu	Ile	Leu	Phe	Ser	Tyr	Trp	Asn	Ile	Ile	Ser	Thr
		210				215					220				
Val	Val	Gln	Ile	Gln	Ser	Gly	Glu	Gly	Arg	Leu	Lys	Val	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Phe	Ile	Val	Val	Ile	Phe	Phe	Tyr	Gly	Ser	Thr	Ile
			245						250					255	
Phe	Thr	Tyr	Met	Gln	Pro	Asn	Ser	Lys	Lys	Met	Asn	Glu	Lys	Asp	Lys
			260					265					270		
Val	Ile	Ser	Val	Phe	Tyr	Ser	Ile	Val	Thr	Ser	Met	Met	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Lys	Lys	Val
	290				295						300				
Leu	Lys	Arg	Glu	Ile	Arg										
305					310										

<210> 1836
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1836

Met	Glu	Leu	Trp	Asn	Ser	Thr	Leu	Gly	Ser	Gly	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Ile	Leu	Asp	Asp	Ser	Gly	Ser	Pro	Glu	Ile	Leu	Cys	Ala	Thr	Phe	Thr
		20						25					30		
Ala	Leu	Tyr	Met	Leu	Ala	Met	Ile	Ser	Asn	Gly	Ile	Leu	Leu	Leu	Val
		35				40					45				
Ile	Thr	Met	Asp	Ala	Arg	Leu	His	Val	Pro	Met	Tyr	Leu	Leu	Leu	Trp
	50					55					60				
Gln	Leu	Ser	Leu	Met	Asp	Leu	Leu	Leu	Thr	Ser	Val	Ile	Thr	Pro	Lys
65				70					75					80	
Ala	Val	Ile	Asp	Phe	Leu	Leu	Lys	Asp	Asn	Thr	Ile	Ser	Phe	Gly	Gly
			85					90						95	
Cys	Ala	Leu	Gln	Met	Phe	Leu	Glu	Leu	Thr	Leu	Gly	Gly	Ala	Glu	Asp
		100					105						110		
Leu	Leu	Leu	Ala	Phe	Met	Ala	Tyr	Gly	Arg	Tyr	Val	Ala	Ile	Cys	His
		115				120						125			
Pro	Leu	Asn	Tyr	Met	Thr	Phe	Met	Lys	Pro	Arg	Ile	Cys	Trp	Leu	Gly
	130					135					140				
Val	Phe	Ile	Ser	Trp	Thr	Leu	Ala	Ser	Leu	Ser	Ala	Val	Gly	Tyr	Thr
145					150					155					160
Ile	Tyr	Thr	Met	Gln	Tyr	Pro	Phe	Cys	Lys	Ser	Arg	Lys	Ile	Arg	His
			165						170					175	
Leu	Phe	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr
		180					185					190			
Ser	Lys	Tyr	Glu	Leu	Met	Val	Tyr	Val	Met	Gly	Val	Ile	Phe	Leu	Leu
	195					200						205			
Leu	Pro	Leu	Ala	Ala	Ile	Leu	Ser	Ser	Tyr	Thr	Leu	Ile	Leu	Leu	Thr
	210					215					220				
Val	Leu	His	Met	Pro	Ser	His	Glu	Gly	Arg	Lys	Lys	Ala	Leu	Val	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Thr	Val	Val	Gly	Met	Trp	Tyr	Gly	Gly	Ala	Ser
			245						250					255	
Phe	Met	Tyr	Val	Leu	Pro	Ser	Ser	Phe	His	Thr	Pro	Lys	Gln	Asp	Asn

<210> 1838
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1838
 Met Glu Val Phe Asn Ser Thr Leu Gly Ser Gly Phe Ile Leu Val Gly
 1 5 10 15
 Ile Leu Asn Asp Ser Gly Phe Pro Glu Met Leu Cys Ala Ile Ile Ile
 20 25 30
 Ala Leu Tyr Phe Leu Ala Leu Thr Ser Asn Gly Leu Leu Leu Val
 35 40 45
 Ile Thr Met Asp Ala Arg Leu His Met Pro Met Tyr Leu Leu Leu Trp
 50 55 60
 Gln Leu Ser Leu Met Asp Leu Leu Gln Pro Ser Val Ile Ile Pro Lys
 65 70 75 80
 Ala Val Leu Asp Phe Leu Leu Lys Asp Asn Thr Ile Ser Phe Gly Gly
 85 90 95
 Cys Ala Phe Gln Met Phe Leu Ala Leu Thr Leu Gly Ser Ala Glu Asp
 100 105 110
 Leu Leu Leu Ser Phe Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
 115 120 125
 Pro Leu Asn Tyr Thr Ile Leu Met Ser Gln Lys Val Cys Tyr Leu Met
 130 135 140
 Ile Ala Thr Ser Trp Ile Leu Ala Ser Leu Ser Ala Leu Gly Tyr Ser
 145 150 155 160
 Met Tyr Thr Met Gln Tyr Pro Phe Cys Lys Ser Arg Gln Ile Arg His
 165 170 175
 Leu Phe Cys Glu Ile Pro Pro Leu Leu Lys Leu Ala Cys Gly Asp Thr
 180 185 190
 Ser Thr Tyr Glu Leu Met Val Tyr Leu Met Gly Val Thr Leu Leu Phe
 195 200 205
 Pro Ala Leu Ala Ala Ile Leu Thr Ser Tyr Ser Leu Ile Leu Leu Thr
 210 215 220
 Val Leu His Met Pro Ser Asn Glu Gly Arg Lys Lys Ala Leu Val Thr
 225 230 235 240
 Cys Ser Ser His Leu Thr Val Val Gly Met Trp Tyr Gly Gly Ala Ile
 245 250 255
 Phe Met Tyr Ile Leu Pro Ser Ser Phe His Ser Pro Lys Gln Asp Asn
 260 265 270
 Ile Ser Ser Val Phe Tyr Met Ile Val Thr Pro Ala Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Asn Glu Val Ile Glu Ala Leu Lys Arg Val
 290 295 300
 Leu Gly Lys Lys Phe Ser Val His Ser Thr Phe
 305 310 315

<210> 1839
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1839
 Met Gly Gly Gly Asn Gln Thr Tyr Ile Val Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Leu Ser Glu Asn Pro Lys Val Gln Ile Leu Leu Phe Cys Ile Phe Leu

Cys	Ala	Leu	Gln	Met	Phe	Leu	Glu	Leu	Val	Leu	Gly	Ser	Ala	Glu	Asp
		100						105					110		
Leu	Leu	Leu	Ala	Phe	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	Asn	Tyr	Met	Ile	Phe	Met	Arg	Pro	Ser	Val	Cys	Trp	Phe	Ile
	130					135					140				
Val	Gly	Thr	Ile	Trp	Ile	Leu	Ala	Ser	Val	Ile	Ala	Leu	Gly	Phe	Thr
145					150					155					160
Ile	Tyr	Thr	Met	Asn	Tyr	Pro	Phe	Cys	Lys	Ser	Arg	Gln	Ile	Arg	His
			165						170					175	
Leu	Phe	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Glu	Asp	Thr
		180						185					190		
Ser	Thr	Tyr	Glu	Leu	Met	Val	Tyr	Leu	Ala	Gly	Val	Ser	Val	Leu	Ile
	195						200					205			
Leu	Pro	Leu	Ala	Val	Ile	Leu	Ala	Ser	Tyr	Val	Arg	Ile	Leu	Phe	Thr
	210					215					220				
Val	Leu	His	Met	Pro	Ser	Asn	Glu	Gly	Arg	Lys	Lys	Ala	Leu	Val	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Ile	Val	Val	Gly	Met	Trp	Tyr	Gly	Gly	Ser	Ser
			245						250					255	
Leu	Met	Tyr	Val	Leu	Pro	Ser	Gln	Phe	His	Ser	Pro	Lys	Gln	Asp	Asn
		260						265					270		
Ile	Leu	Ser	Ile	Phe	Tyr	Thr	Ile	Val	Thr	Pro	Ala	Leu	Asn	Pro	Leu
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Thr	Gly	Ala	Leu	Arg	Arg	Ile
	290				295						300				
Phe	Gly	Lys	Trp	Leu	Gly	Pro	Ala	His	Phe	Leu	Gly	Ser	Ser	Phe	
305					310					315					

<210> 1841
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1841

Met	Ala	Gly	Thr	Asn	His	Thr	Glu	Val	Ile	Glu	Tyr	Val	Leu	Leu	Gly
1				5					10					15	
Leu	Gln	Asp	His	His	Gly	Leu	Glu	Ile	Ala	Leu	Phe	Val	Leu	Cys	Leu
		20						25					30		
Gly	Ile	Tyr	Cys	Met	Thr	Leu	Leu	Gly	Asn	Ser	Phe	Leu	Val	Gly	Leu
	35					40						45			
Ile	Val	Leu	Asp	Thr	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Ile	Ser
	50					55					60				
Asn	Leu	Ser	Leu	Ile	Asp	Ile	Cys	Gly	Thr	Ser	Ser	Phe	Thr	Pro	Met
65					70					75					80
Met	Leu	Leu	Asn	Phe	Leu	Asp	Val	Gln	Arg	Thr	Ile	Ser	Phe	Pro	Ser
			85						90					95	
Cys	Ala	Leu	Gln	Met	Tyr	Leu	Thr	Leu	Ala	Leu	Gly	Thr	Thr	Glu	Cys
		100						105					110		
Leu	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Gln
	115						120					125			
Pro	Leu	His	Tyr	Pro	Glu	Leu	Met	Asn	Gly	Pro	Leu	Cys	Ile	Gln	Met
	130					135					140				
Ala	Gly	Ile	Ser	Trp	Gly	Thr	Gly	Phe	Ala	Asn	Ser	Leu	Leu	His	Ser
145					150					155					160
Ile	Leu	Val	Trp	His	Leu	Pro	Phe	Cys	Gly	His	Tyr	Ile	Ile	Asn	His

290 295 300
Phe Asp Arg Leu Gly Ile Phe Arg
305 310

<210> 1844
<211> 310
<212> PRT
<213> Mus musculus

<400> 1844
Met Glu Asn Ile Thr Glu Val Thr Glu Phe Ile Leu Met Gly Phe Thr
1 5 10 15
Asp Asn Ala Asp Leu Glu Ile Leu Ser Phe Phe Leu Phe Leu Ala Ile
20 25 30
Tyr Leu Phe Thr Leu Met Gly Asn Leu Gly Leu Ile Thr Leu Val Ile
35 40 45
Gly Asp Ser Arg Leu His Asn Pro Met Tyr Tyr Phe Leu Ser Val Leu
50 55 60
Ser Ser Val Asp Ala Cys Tyr Ser Thr Val Ile Thr Pro Gln Met Val
65 70 75 80
Val Asp Phe Val Ser Glu Lys Lys Val Ile Ser Phe Ile Gly Cys Ala
85 90 95
Thr Gln Met Phe Leu Ala Val Thr Phe Gly Thr Thr Glu Cys Phe Leu
100 105 110
Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile His Asn Pro Leu
115 120 125
Met Tyr Val Val Ser Met Ser Pro Arg Val Tyr Val Pro Leu Ile Ile
130 135 140
Ala Ser Tyr Ala Gly Gly Ile Leu His Ala Val Ile His Thr Val Ala
145 150 155 160
Thr Phe Arg Leu Ser Phe Cys Gly Ser Asn Lys Ile Ser His Ile Phe
165 170 175
Cys Asp Ile Pro Pro Leu Leu Ala Ile Ser Cys Ser Asp Thr His Phe
180 185 190
Asn Gln Leu Leu Leu Phe Tyr Cys Ala Gly Phe Ile Glu Val Val Thr
195 200 205
Ile Leu Ile Val Leu Leu Ser Tyr Gly Phe Ile Leu Ser Val Ile Leu
210 215 220
Lys Thr Arg Ser Thr Glu Gly Lys Arg Lys Val Phe Ser Thr Cys Gly
225 230 235 240
Ser His Leu Met Ala Val Ser Thr Phe His Gly Thr Val Leu Phe Met
245 250 255
Tyr Val Arg Pro Ser Asp Ser Tyr Ala Leu Glu His Asp Met Met Val
260 265 270
Ser Ile Phe Tyr Ser Ile Val Ile Pro Met Leu Asn Pro Leu Ile Tyr
275 280 285
Ser Leu Arg Asn Lys Asp Val Lys Glu Ala Ile Lys Lys Val Phe Gly
290 295 300
Lys Arg Ile Leu Cys Gly
305 310

<210> 1845
<211> 310
<212> PRT
<213> Mus musculus

<400> 1845

Met	Glu	Asn	Val	Thr	Val	Ser	Leu	Phe	Ile	Leu	Arg	Gly	Leu	Thr	Asp
1				5					10					15	
Asn	Ala	Glu	Leu	Gln	Ile	Ser	Leu	Phe	Phe	Leu	Phe	Leu	Met	Ile	Tyr
		20						25					30		
Leu	Phe	Thr	Leu	Met	Gly	Asn	Ile	Gly	Leu	Ile	Ser	Val	Val	Ile	Gly
		35					40					45			
Asp	Ser	Gln	Leu	His	Asn	Pro	Met	Tyr	Tyr	Phe	Leu	Gly	Val	Leu	Ser
	50					55					60				
Phe	Ile	Asp	Thr	Cys	Phe	Ser	Thr	Ile	Ile	Thr	Pro	Lys	Met	Leu	Ile
65					70					75					80
Asp	Phe	Met	Ser	Lys	Arg	Lys	Val	Ile	Ser	Phe	Leu	Gly	Cys	Val	Ala
				85					90					95	
Gln	Met	Phe	Leu	Ala	Val	Ser	Cys	Gly	Thr	Thr	Glu	Cys	Phe	Leu	Leu
			100					105					110		
Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Tyr	Asn	Pro	Leu	Leu
		115					120					125			
Tyr	Ala	Val	Asn	Met	Ser	Pro	Arg	Val	Tyr	Met	Ser	Leu	Ile	Ile	Ala
	130					135					140				
Ser	Asn	Val	Gly	Gly	Ile	Leu	His	Ala	Ser	Ile	His	Thr	Ala	Ala	Thr
145					150					155					160
Ala	Ser	Leu	Ser	Phe	Cys	Asp	Ser	Asn	Glu	Ile	Lys	His	Phe	Phe	Cys
				165					170					175	
Asp	Ile	Pro	Pro	Leu	Leu	Ala	Ile	Ser	Cys	Ser	Asp	Thr	Lys	Met	Asn
			180					185					190		
Glu	Leu	Leu	Leu	Phe	Ile	Phe	Val	Ser	Ser	Ile	Glu	Val	Val	Thr	Ile
		195					200					205			
Leu	Ile	Ile	Ile	Val	Ser	Tyr	Ser	Phe	Ile	Leu	Phe	Ala	Ile	Leu	Lys
	210					215					220				
Met	His	Ser	Ala	Glu	Gly	Arg	Pro	Lys	Val	Phe	Ser	Thr	Cys	Gly	Ser
225					230					235					240
His	Leu	Thr	Gly	Val	Ser	Ile	Tyr	Tyr	Gly	Thr	Ile	Phe	Phe	Met	Tyr
			245						250					255	
Met	Arg	Pro	Ser	Ser	Ser	Tyr	Thr	Leu	Glu	His	Asp	Met	Ile	Val	Ser
			260					265					270		
Thr	Phe	Tyr	Ala	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr	Ser
		275					280					285			
Leu	Arg	Asn	Lys	Asp	Val	Lys	Lys	Ala	Met	Lys	Arg	Leu	Leu	Ala	Lys
	290					295					300				
Val	Phe	Met	Ser	Ile	Arg										
305					310										

<210> 1846

<211> 313

<212> PRT

<213> Mus musculus

<400> 1846

Met	Glu	Lys	Gln	Asn	Leu	Thr	Val	Leu	Ser	Glu	Phe	Ile	Leu	Lys	Gly
1				5					10					15	
Ile	Thr	Asp	Arg	Pro	Glu	Leu	Gln	Ala	Pro	Leu	Phe	Gly	Leu	Leu	Phe
			20					25					30		
Ile	Ile	Tyr	Leu	Ile	Ser	Ala	Val	Gly	Asn	Leu	Gly	Ile	Ile	Ile	Ile
		35					40					45			
Thr	Asn	Val	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Lys

50		55		60	
His	Leu	Ala	Phe	Thr	Asp
65					70
Met	Leu	Val	Asn	Phe	Val
					85
Cys	Ala	Thr	Gln	Leu	Ala
					100
Phe	Ile	Leu	Ser	Ser	Met
					115
Pro	Leu	Leu	Tyr	Thr	Val
					130
Val	Ala	Val	Pro	Tyr	Ile
145					150
Ile	Arg	Leu	Phe	Thr	Leu
					165
Phe	Phe	Cys	Asp	Cys	Ile
					180
His	Glu	Val	Glu	Val	Ile
					195
Ser	Ser	Leu	Leu	Val	Val
					210
Ile	Leu	Arg	Met	Lys	Ser
225					230
Cys	Gly	Ser	His	Leu	Thr
					245
Phe	Met	Tyr	Val	Gln	Pro
					260
Val	Ser	Ser	Ile	Phe	Tyr
					275
Ile	Tyr	Thr	Leu	Arg	Asn
					290
Trp	Glu	Lys	Ile	Val	Thr
305					310

<210> 1847
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1847	
Met	Pro
1	5
Leu	Thr
	20
Val	Ile
	35
Ile	Arg
	50
His	Leu
65	70
Met	Leu
	85
Cys	Phe
	100
Tyr	Leu
	115

Asn	Asn	Thr	Ala	Val	Met	Asp	Phe	Ile	Leu	Val	Gly
					10					15	
Leu	Thr	Asp	Ser	Pro	Val	Leu	Gly	Arg	Ile	Leu	Phe
							25				30
Val	Ile	Tyr	Leu	Ile	Thr	Leu	Thr	Gly	Asn	Leu	Cys
							40				45
Ile	Arg	Thr	Asn	Ser	His	Leu	Gln	Thr	Pro	Met	Tyr
							55				60
His	Leu	Ser	Phe	Val	Asp	Ile	Cys	Tyr	Ser	Ser	Asn
65					70				75		80
Met	Leu	His	Gly	Phe	Ile	Ser	Asp	Gln	Lys	Ile	Ile
									90		95
Cys	Phe	Thr	Gln	Cys	Leu	Leu	Phe	Ile	Ala	Leu	Val
									105		110
Tyr	Leu	Leu	Ala	Ser	Met	Ala	Leu	Asp	Arg	Tyr	Val
									120		125

Pro	Leu	His	Tyr	Ser	Thr	Arg	Met	Ser	Lys	Asn	Val	Cys	Phe	Ser	Leu
130						135					140				
Val	Ser	Phe	Ser	Tyr	Val	Phe	Gly	Phe	Leu	Asn	Gly	Leu	Ser	Gln	Thr
145					150					155					160
Leu	Leu	Thr	Phe	His	Leu	Ser	Phe	Cys	Gly	Ser	His	Glu	Ile	Asn	His
				165					170					175	
Phe	Tyr	Cys	Ala	Asp	Pro	Pro	Leu	Ile	Met	Leu	Ala	Cys	Ser	Asp	Thr
			180					185					190		
His	Val	Lys	Lys	Met	Ala	Met	Phe	Val	Val	Ala	Gly	Phe	Thr	Leu	Ile
	195						200					205			
Ser	Ser	Leu	Ser	Ile	Ile	Leu	Phe	Ser	Tyr	Leu	Tyr	Ile	Phe	Ala	Ala
	210					215					220				
Ile	Met	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Gln	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Thr	Thr	Val	Thr	Ile	Phe	Tyr	Gly	Thr	Leu	Phe
				245					250					255	
Cys	Met	Tyr	Leu	Lys	Pro	Pro	Ser	Glu	Arg	Ser	Ile	Glu	Glu	Ser	Lys
			260					265					270		
Val	Ile	Ala	Val	Phe	Tyr	Thr	Phe	Leu	Ser	Pro	Phe	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Ile	Asn	Ala	Met	Lys	Gln	Val
	290				295					300					
Ile	Lys	Gly	Asn	Phe	Cys	Gln	Lys	Ile	Leu	Val					
305					310					315					

<210> 1848

<211> 318

<212> PRT

<213> Mus musculus

<400> 1848

Met	Leu	Ala	Pro	Lys	Lys	Met	Val	Arg	Gly	Asn	Tyr	Ser	Met	Val	Thr
1				5					10				15		
Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr	Asp	Arg	Pro	Glu	Leu	Gln	Pro	Leu
			20					25					30		
Leu	Phe	Val	Leu	Phe	Leu	Val	Ile	Tyr	Leu	Ile	Thr	Val	Gly	Gly	Asn
		35				40						45			
Leu	Gly	Met	Met	Val	Leu	Ile	Arg	Ile	Asp	Ser	Arg	Leu	His	Thr	Pro
	50				55					60					
Met	Tyr	Tyr	Phe	Leu	Ala	Ser	Leu	Ser	Cys	Leu	Asp	Leu	Cys	Tyr	Ser
65				70					75					80	
Thr	Asn	Val	Thr	Pro	Lys	Met	Leu	Val	Asn	Phe	Leu	Ser	Glu	Lys	Lys
				85					90					95	
Thr	Ile	Ser	Tyr	Ala	Ala	Cys	Leu	Val	Gln	Cys	Tyr	Phe	Phe	Ile	Ala
			100					105					110		
Met	Val	Ile	Thr	Glu	Tyr	Tyr	Met	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg
		115					120					125			
Tyr	Met	Ala	Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Ser	Lys	Met	Ser	Lys
	130				135						140				
Gly	Val	Cys	Val	Arg	Leu	Ile	Ala	Gly	Pro	Tyr	Ile	Tyr	Gly	Phe	Leu
145					150					155					160
Ser	Gly	Leu	Met	Glu	Thr	Met	Trp	Thr	Tyr	Arg	Leu	Thr	Phe	Cys	Gly
				165					170					175	
Ser	Asn	Ile	Ile	Asn	His	Phe	Tyr	Cys	Ala	Asp	Pro	Pro	Leu	Ile	Arg
			180					185					190		
Leu	Ser	Cys	Ser	Asp	Thr	Phe	Ile	Lys	Glu	Thr	Ser	Met	Phe	Val	Val

Val	Ile	Ala	Val	Phe	Tyr	Thr	Phe	Leu	Ser	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Ile	Asn	Ala	Met	Lys	Gln	Val
	290					295					300				
Val	Lys	Gly	Lys	Leu	Leu	His									
305					310										

<210> 1850
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1850															
Met	Asp	His	Met	Lys	Ile	Asn	Phe	Thr	Val	Thr	Glu	Phe	Val	Phe	Leu
1				5					10					15	
Gly	Leu	Ser	Ser	Asp	Pro	Lys	Val	Gln	Leu	Val	Leu	Phe	Phe	Val	Phe
			20					25					30		
Leu	Phe	Phe	Tyr	Met	Leu	Ser	Val	Val	Gly	Asn	Ile	Ile	Ile	Ile	Thr
		35					40					45			
Ile	Ile	Gln	Ile	Glu	Pro	Arg	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ala	Asn	Leu	Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Thr	Ser	Thr	Asn	Val	Pro
65					70					75					80
Gln	Met	Leu	Ser	Asn	Met	Val	Gly	Ser	Lys	Lys	Thr	Ile	Pro	Phe	Val
				85					90					95	
Ser	Cys	Ala	Thr	Gln	Met	Tyr	Phe	Ser	Leu	Ser	Phe	Gly	Met	Ile	Glu
			100					105					110		
Cys	Val	Leu	Leu	Gly	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
His	Pro	Leu	His	Tyr	Thr	Val	Ile	Met	Asp	Gln	Asn	Thr	Cys	Val	Gln
	130					135					140				
Leu	Ala	Ala	Ile	Ser	Trp	Ser	Ser	Ser	Phe	Leu	Ser	Ser	Met	Val	Ile
145					150					155					160
Asn	Val	Leu	Thr	Leu	Ser	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Val	Leu	Asn
				165					170					175	
His	Phe	Phe	Cys	Glu	Val	Pro	Ser	Val	Leu	Arg	Leu	Ala	Cys	Thr	Asp
		180						185					190		
Thr	Ser	Leu	Thr	Glu	Leu	Val	Val	Phe	Val	Phe	Ser	Ile	Ile	Ile	Val
		195					200					205			
Phe	Ile	Pro	Phe	Leu	Leu	Ile	Ile	Val	Ser	Tyr	Ala	Arg	Ile	Leu	Leu
	210					215					220				
Ser	Val	Leu	Arg	Met	Arg	Ser	Ala	Ser	Gly	Arg	His	Lys	Ala	Leu	Ser
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Thr	Val	Val	Thr	Leu	Phe	Tyr	Gly	Thr	Ala
				245					250					255	
Ile	Phe	Met	Tyr	Met	Arg	Pro	Gln	Ser	Lys	Ser	Ser	Arg	Ala	Gly	Gly
		260						265					270		
Lys	Val	Ile	Ala	Val	Phe	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Gln	Asp	Val	Lys	Gly	Ser	Leu	Arg	Arg
	290					295					300				
Ala	Ile	Thr	Lys	Gln	Lys	Thr									
305					310										

<210> 1851

<211> 319
 <212> PRT
 <213> Mus musculus

<400> 1851

Met	Asp	Glu	Asp	Asn	Asn	Ser	Thr	Val	His	Gln	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Leu	Thr	Asp	Asp	Pro	Glu	Leu	Glu	Val	Ile	Leu	Phe	Ala	Val	Phe	Leu
		20						25					30		
Val	Ile	Tyr	Leu	Thr	Thr	Val	Leu	Gly	Asn	Leu	Gly	Leu	Ile	Met	Leu
		35					40					45			
Ile	Gln	Val	Ser	Pro	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys
	50					55					60				
His	Leu	Ala	Phe	Val	Asp	Phe	Cys	Tyr	Thr	Ser	Ser	Val	Thr	Pro	Asn
65					70					75				80	
Thr	Ile	Ile	Asn	Phe	Leu	Arg	Asp	Ile	Lys	Ser	Ile	Thr	Phe	Tyr	Ala
			85						90					95	
Cys	Ala	Thr	Gln	Val	Cys	Cys	Phe	Ile	Thr	Phe	Ala	Val	Cys	Glu	Met
			100					105					110		
Tyr	Leu	Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Trp	Asn
	115						120						125		
Pro	Leu	Leu	Tyr	Val	Val	Leu	Met	Pro	Lys	Lys	Leu	Cys	Leu	Arg	Val
	130					135					140				
Ile	Ala	Ser	Thr	Tyr	Ile	Tyr	Gly	Phe	Thr	Val	Gly	Leu	Ala	Gln	Ala
145					150					155				160	
Val	Ala	Thr	Phe	Arg	Leu	Ser	Phe	Cys	Gly	Ser	Asn	Val	Ile	Asn	His
				165					170					175	
Phe	Tyr	Cys	Asp	Asp	Val	Pro	Leu	Val	Ala	Leu	Ala	Cys	Ser	Asp	Thr
			180					185					190		
His	Val	Lys	Glu	Leu	Met	Leu	Leu	Ile	Ile	Ala	Gly	Phe	Asn	Thr	Leu
	195						200					205			
Cys	Ser	Leu	Val	Ile	Val	Val	Ile	Ser	Tyr	Ile	Cys	Ile	Leu	Phe	Ala
	210					215					220				
Ile	Leu	Arg	Ile	His	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235				240	
Cys	Ala	Ser	His	Leu	Thr	Ser	Ile	Thr	Ile	Phe	Tyr	Gly	Thr	Ile	Ile
			245						250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Lys	Ser	Ser	His	Ser	Leu	Asn	Thr	Asp	Lys
		260					265						270		
Phe	Val	Ser	Val	Phe	Tyr	Val	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asn	Ala	Leu	Lys	Arg	Phe
	290				295					300					
Thr	Glu	Lys	Leu	Ser	Leu	Thr	Ile	His	Asp	Ser	Arg	Lys	Ser	Glu	
305					310					315					

<210> 1852
 <211> 307
 <212> PRT
 <213> Mus musculus

<400> 1852

Met	Leu	Lys	Lys	Asn	Phe	Thr	Thr	Val	Thr	Glu	Phe	Ile	Phe	Leu	Gly
1				5					10					15	
Leu	Thr	Asp	Arg	Ala	Glu	Leu	Gln	Pro	Val	Leu	Phe	Val	Val	Phe	Leu
		20						25					30		

Leu Ile Tyr Leu Ile Thr Val Thr Gly Asn Val Ser Met Ile Phe Leu
 35 40 45
 Ile Arg Ser Asp Ser Lys Leu His Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 His Leu Ser Phe Val Asp Leu Cys Tyr Ala Thr Val Ala Pro Gln
 65 70 75 80
 Met Leu Val Asn Phe Leu Ser Lys Arg Lys Asn Ile Ser Phe Ile Gly
 85 90 95
 Cys Ile Ile Gln Phe His Phe Phe Ile Ala Leu Val Ile Thr Asp Tyr
 100 105 110
 Tyr Met Leu Ala Val Met Ala Tyr Asp Cys Tyr Val Ala Ile Cys Lys
 115 120 125
 Pro Leu Leu Tyr Thr Ser Lys Met Ser Arg Arg Val Cys Leu Ser Leu
 130 135 140
 Val Ala Thr Gln Tyr Ile Tyr Gly Phe Val Asn Gly Leu Ile Gln Thr
 145 150 155 160
 Ile Leu Met Leu Arg Leu Thr Phe Cys Gly Pro Asn Glu Ile Asn His
 165 170 175
 Phe Tyr Cys Ala Asp Pro Pro Leu Met Val Leu Ala Cys Ser Asp Thr
 180 185 190
 Tyr Val Lys Lys Thr Ala Met Phe Val Val Ala Gly Ser Asn Leu Thr
 195 200 205
 Cys Ser Leu Thr Ile Ile Leu Ile Ser Tyr Ile Phe Ile Phe Thr Ala
 210 215 220
 Ile Leu Arg Ile Arg Ser Ala Glu Gly Arg Gln Lys Ala Phe Ser Thr
 225 230 235 240
 Cys Gly Ser His Leu Thr Ala Val Thr Ile Phe Tyr Gly Thr Leu Phe
 245 250 255
 Cys Met His Leu Arg Pro Pro Ser Glu Thr Ser Val Glu Gln Gly Lys
 260 265 270
 Ile Val Ala Val Phe Tyr Ile Phe Val Ser Pro Met Leu Asn Pro Phe
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Asn Ala Ile Arg Lys Val
 290 295 300
 Ile Gln Lys
 305

<210> 1853
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1853
 Met Ala Gln Ile Asn Cys Thr Gln Val Thr Glu Phe Ile Leu Val Gly
 1 5 10 15
 Leu Thr Asp Arg Lys Glu Leu Lys Met Pro Leu Phe Val Val Phe Leu
 20 25 30
 Phe Ile Tyr Leu Phe Thr Ala Ile Gly Asn Leu Gly Leu Ile Leu Val
 35 40 45
 Ile Arg Thr Asp Ala Arg Leu Asn Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 Asn Leu Ala Phe Val Asp Phe Cys Tyr Ser Ser Val Ile Thr Pro Lys
 65 70 75 80
 Met Leu Gly Asn Phe Leu Tyr Ser Lys Asn Ala Ile Ser Phe Asn Ala
 85 90 95
 Cys Ala Ala Gln Leu Gly Cys Phe Leu Thr Phe Met Val Ser Glu Cys

Ile	Ser	Tyr	Phe	Tyr	Cys	Asp	Cys	Val	Pro	Leu	Ile	Ser	Leu	Leu	Cys
			180					185					190		
Ser	Asp	Thr	His	Glu	Leu	Glu	Leu	Ile	Ile	Leu	Ile	Phe	Ser	Gly	Cys
		195					200					205			
Asn	Leu	Leu	Ser	Ser	Leu	Leu	Ile	Val	Leu	Val	Ser	Tyr	Met	Phe	Ile
	210				215						220				
Phe	Val	Ala	Ile	Leu	Arg	Met	Asn	Ser	Lys	Glu	Gly	Arg	Ser	Lys	Ala
225				230						235					240
Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Thr	Val	Val	Val	Val	Phe	Tyr	Gly
			245					250						255	
Thr	Leu	Leu	Phe	Ile	Tyr	Leu	Gln	Pro	Lys	Ser	Ser	His	Thr	Phe	Glu
		260					265						270		
Ile	Asp	Lys	Met	Ala	Ser	Val	Phe	Tyr	Thr	Leu	Val	Ile	Pro	Met	Leu
	275						280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Glu	Ala	Leu
	290					295					300				
Lys	Arg	Thr	Leu	Thr	Gln	Gly	Leu	Arg	Ile	His	Thr				
305					310					315					

<210> 1855
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1855

Met	Val	Arg	Thr	Met	Lys	Gly	Ile	Gln	Asp	Lys	Asn	Ala	Thr	Glu	Val
1				5				10					15		
Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Ser	Glu	Asn	Pro	Asp	Leu	Gln	Gly
		20					25					30			
Val	Leu	Phe	Ala	Leu	Phe	Leu	Ile	Ile	Tyr	Thr	Met	Thr	Leu	Val	Gly
	35					40					45				
Asn	Leu	Gly	Met	Met	Ala	Leu	Ile	Lys	Ile	Asp	Arg	Ser	Leu	His	Thr
50				55						60					
Pro	Met	Tyr	Phe	Phe	Leu	Ser	Ser	Leu	Ser	Phe	Val	Asp	Ala	Ser	Ser
65				70					75					80	
Ser	Ser	Thr	Val	Thr	Pro	Lys	Met	Leu	Leu	Asn	Leu	Val	Ala	Glu	Asp
			85					90				95			
Lys	Ser	Ile	Ser	Phe	Asn	Gly	Cys	Ala	Thr	Gln	Phe	Phe	Phe	Phe	Gly
	100					105						110			
Ser	Phe	Leu	Gly	Thr	Glu	Cys	Phe	Leu	Leu	Ala	Met	Met	Ala	Tyr	Asp
	115					120					125				
Arg	Tyr	Ala	Ala	Ile	Trp	Asn	Pro	Leu	Leu	Tyr	Pro	Val	Leu	Met	Ser
130					135					140					
Gly	Ser	Ile	Cys	Phe	Met	Leu	Val	Ser	Thr	Ser	Phe	Leu	Ala	Gly	Phe
145					150					155					160
Gly	Asn	Ala	Ala	Ile	His	Thr	Gly	Met	Thr	Phe	Arg	Leu	Ser	Phe	Cys
			165					170						175	
Gly	Ser	Asn	Lys	Ile	Asn	His	Phe	Tyr	Cys	Asp	Thr	Pro	Pro	Leu	Leu
		180					185					190			
Lys	Leu	Ser	Cys	Ser	Asp	Ile	His	Ile	Asn	Gly	Ile	Val	Ile	Met	Ala
	195					200						205			
Phe	Ser	Ser	Phe	Thr	Val	Leu	Ile	Cys	Val	Leu	Ile	Val	Leu	Ile	Ser
210					215						220				
Tyr	Leu	Cys	Ile	Leu	Ile	Ala	Ile	Leu	Lys	Met	Pro	Ser	Ala	Glu	Gly
225				230						235					240
Arg	His	Lys	Ala	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Met	Ala	Val	Thr

				245					250				255				
Ile	Phe	Phe	Gly	Ser	Ile	Leu	Phe	Met	Tyr	Leu	Arg	Pro	Thr	Thr	Ser		
			260					265					270				
Tyr	Ser	Met	Glu	Gln	Asp	Lys	Ile	Val	Ser	Val	Phe	Tyr	Thr	Val	Val		
		275					280					285					
Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Lys	Asn	Arg	Asp	Val		
	290					295					300						
Lys	Glu	Ala	Val	Lys	Lys	Ile	Leu	Gln	Lys	His	Ile	Leu					
305					310					315							

<210> 1856
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1856

Met	Val	Arg	Ser	Gly	Lys	Gly	Ile	Gln	Asn	Lys	Asn	Ala	Thr	Glu	Val		
1				5				10					15				
Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Ser	Asp	Asn	Pro	Asp	Leu	Gln	Gly		
		20					25					30					
Val	Leu	Phe	Ala	Leu	Phe	Leu	Ile	Tyr	Thr	Met	Thr	Leu	Val	Gly			
	35					40				45							
Asn	Leu	Gly	Met	Met	Ala	Leu	Ile	Lys	Ile	Asp	Arg	Ser	Leu	His	Thr		
	50				55					60							
Pro	Met	Tyr	Phe	Phe	Leu	Ser	Ser	Leu	Ser	Phe	Val	Asp	Ala	Ser	Tyr		
65				70				75						80			
Ser	Ser	Ser	Val	Thr	Pro	Lys	Met	Leu	Val	Asn	Leu	Met	Ala	Glu	Asp		
			85				90						95				
Lys	Ser	Ile	Ser	Phe	Asn	Gly	Cys	Ala	Thr	Gln	Phe	Phe	Phe	Phe	Gly		
		100				105						110					
Ser	Phe	Leu	Gly	Thr	Glu	Cys	Phe	Leu	Leu	Ala	Met	Met	Ala	Tyr	Asp		
	115					120				125							
Arg	Tyr	Ala	Ala	Ile	Trp	Asn	Pro	Leu	Leu	Tyr	Pro	Val	Leu	Met	Ser		
	130				135					140							
Gly	Arg	Ile	Cys	Phe	Met	Leu	Val	Ser	Thr	Ser	Phe	Leu	Ala	Gly	Phe		
145			150					155						160			
Gly	Asn	Ala	Ala	Ile	His	Thr	Gly	Met	Thr	Phe	Arg	Leu	Ser	Phe	Cys		
		165				170							175				
Gly	Ser	Asn	Lys	Ile	Asn	His	Phe	Tyr	Cys	Asp	Thr	Pro	Pro	Leu	Leu		
	180				185							190					
Lys	Leu	Ser	Cys	Ser	Asp	Thr	His	Ile	Asn	Gly	Ile	Val	Ile	Met	Ala		
	195				200						205						
Phe	Ser	Ser	Phe	Asn	Val	Ile	Ser	Cys	Val	Leu	Ile	Val	Leu	Ile	Ser		
	210				215					220							
Tyr	Leu	Cys	Ile	Leu	Ile	Ala	Ile	Leu	Lys	Met	Pro	Ser	Ala	Glu	Gly		
225			230					235						240			
Arg	His	Lys	Ala	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Met	Ala	Val	Thr		
		245				250							255				
Ile	Phe	Phe	Gly	Thr	Ile	Leu	Phe	Met	Tyr	Leu	Arg	Pro	Thr	Ser	Ser		
	260					265						270					
Tyr	Ser	Met	Glu	Gln	Asp	Lys	Val	Val	Ser	Val	Phe	Tyr	Thr	Val	Val		
	275					280					285						
Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Lys	Asn	Lys	Asp	Val		
	290				295					300							
Lys	Lys	Ala	Val	Lys	Lys	Ile	Leu	His	Asn	Tyr	Val	Val					
305					310					315							

<210> 1857
 <211> 310
 <212> PRT
 <213> Mus, musculus

<400> 1857
 Met Leu Asn Phe Thr Asp Val Thr Glu Phe Ile Leu Leu Gly Leu Thr
 1 5 10 15
 Ser Arg Lys Glu Leu Gln Val Leu Phe Phe Val Ile Phe Leu Met Val
 20 25 30
 Tyr Ile Val Thr Met Val Gly Asn Ile Gly Met Met Ile Leu Ile Lys
 35 40 45
 Ile Ser Pro Gln Leu Ser Ser Pro Met Tyr Phe Phe Leu Ser His Leu
 50 55 60
 Ser Phe Val Asp Val Trp Phe Ser Ser Asn Val Thr Pro Lys Met Leu
 65 70 75 80
 Glu Asn Leu Leu Ser Lys Thr Lys Thr Ile Ser Tyr Ala Gly Cys Leu
 85 90 95
 Val Gln Cys Phe Phe Phe Ile Ala Leu Val His Val Glu Ile Phe Ile
 100 105 110
 Leu Ala Val Met Ala Phe Asp Arg Tyr Met Ala Ile Gly Lys Pro Leu
 115 120 125
 Leu Tyr Gly Ser Lys Met Ser Arg Val Val Cys Ile Arg Leu Ile Ser
 130 135 140
 Phe Pro Tyr Ile Tyr Gly Phe Leu Thr Ser Leu Ala Ala Thr Leu Trp
 145 150 155 160
 Thr Tyr Gly Leu Tyr Phe Cys Gly Lys Thr Glu Ile Asn His Phe Tyr
 165 170 175
 Cys Ala Asp Pro Pro Leu Ile Lys Met Ala Cys Ala Gly Thr Phe Val
 180 185 190
 Lys Glu Tyr Thr Met Ile Ile Leu Ala Gly Ile Asn Phe Thr Tyr Ser
 195 200 205
 Leu Ser Val Val Ile Ile Ser Tyr Leu Phe Ile Leu Ile Ala Ile Leu
 210 215 220
 Arg Met Arg Ser Ala Glu Gly Arg Arg Lys Ala Phe Ser Thr Cys Gly
 225 230 235 240
 Ser His Leu Thr Ala Val Val Ile Phe Tyr Gly Thr Leu Ile Phe Met
 245 250 255
 Tyr Leu Arg Arg Pro Thr Glu Glu Ser Val Glu Lys Gly Lys Met Val
 260 265 270
 Ala Val Phe Tyr Thr Thr Val Ile Pro Met Leu Asn Pro Met Ile Tyr
 275 280 285
 Ser Leu Arg Asn Lys Asp Val Lys Glu Ala Met Asp Lys Val Ile Ser
 290 295 300
 Arg Lys Gly Leu Thr Lys
 305 310

<210> 1858
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1858
 Met Leu Asn Phe Thr Asp Val Thr Glu Phe Val Leu Leu Gly Leu Thr

1				5					10				15				
Arg	Arg	Lys	Glu	Leu	Gln	Val	Leu	Phe	Phe	Val	Ile	Phe	Leu	Met	Val		
			20					25					30				
Tyr	Ile	Val	Thr	Met	Val	Gly	Asn	Ile	Gly	Met	Met	Ile	Leu	Ile	Lys		
		35					40					45					
Ile	Ser	Pro	Gln	Leu	Ser	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His	Leu		
	50					55					60						
Ser	Phe	Ile	Asp	Val	Trp	Phe	Ser	Ser	Asn	Val	Thr	Pro	Lys	Met	Leu		
65					70					75					80		
Glu	Asn	Leu	Leu	Ser	Lys	Thr	Lys	Thr	Ile	Ser	Tyr	Ala	Gly	Cys	Leu		
				85					90					95			
Val	Gln	Cys	Phe	Phe	Phe	Ile	Ala	Leu	Val	His	Val	Glu	Ile	Phe	Ile		
			100					105					110				
Leu	Ser	Val	Met	Ala	Phe	Asp	Arg	Tyr	Met	Ala	Ile	Gly	Lys	Pro	Leu		
		115					120					125					
Leu	Tyr	Gly	Ser	Lys	Met	Ser	Arg	Val	Val	Cys	Ile	Arg	Leu	Ile	Ser		
	130					135				140							
Phe	Pro	Tyr	Ile	Tyr	Gly	Phe	Leu	Thr	Ser	Leu	Ala	Ala	Thr	Leu	Trp		
145					150					155					160		
Thr	Tyr	Gly	Leu	Tyr	Phe	Cys	Gly	Lys	Thr	Glu	Ile	Asn	His	Phe	Tyr		
				165					170					175			
Cys	Ala	Asp	Pro	Pro	Leu	Ile	Lys	Met	Ala	Cys	Ala	Gly	Thr	Phe	Val		
			180					185					190				
Lys	Glu	Tyr	Thr	Met	Leu	Phe	Leu	Ala	Gly	Ile	Asn	Phe	Thr	Tyr	Ser		
		195					200				205						
Leu	Ile	Val	Val	Ile	Ile	Ser	Tyr	Leu	Phe	Ile	Leu	Ile	Ala	Ile	Leu		
	210					215					220						
Arg	Met	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Gly		
225					230					235					240		
Ser	His	Leu	Thr	Ala	Val	Gly	Ile	Phe	Tyr	Gly	Thr	Leu	Ile	Phe	Met		
				245					250					255			
Tyr	Leu	Arg	Arg	Pro	Thr	Glu	Glu	Ser	Val	Glu	Gln	Gly	Lys	Met	Val		
				260				265						270			
Ala	Val	Phe	Tyr	Thr	Thr	Val	Ile	Pro	Met	Leu	Asn	Pro	Met	Ile	Tyr		
		275					280					285					
Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Met	Asp	Lys	Val	Ile	Ala		
	290					295					300						
Lys	Lys	Phe	Leu	Thr	Lys												
305					310												

<210> 1859
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1859
 Met Ala Lys Ser Asn His Ser Val Val Thr Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Leu Thr Glu Asp Pro Glu Leu Gln Ile Ile Leu Phe Val Ile Leu Leu
 20 25 30
 Ile Ile Tyr Leu Phe Ser Val Met Ser Asn Leu Gly Leu Val Val Leu
 35 40 45
 Ile Gln Ile Ser Pro Gln Leu Gln Ser Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 His Leu Ala Phe Val Asp Phe Cys Tyr Thr Ser Cys Val Thr Pro Asn
 65 70 75 80

Ala	Leu	Val	Asn	Phe	Leu	Arg	Glu	Ile	Lys	Ser	Ile	Ser	Phe	Tyr	Gly
			85						90					95	
Cys	Ala	Ala	Gln	Val	Cys	Phe	Phe	Thr	Thr	Phe	Ser	Val	Cys	Glu	Val
			100					105					110		
Phe	Leu	Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
			115				120					125			
Pro	Leu	Leu	Tyr	Val	Ile	Leu	Met	Pro	Arg	Arg	Leu	Cys	Ile	Gln	Ile
			130			135					140				
Ala	Ile	Thr	Thr	Tyr	Ile	Tyr	Ala	Phe	Val	Thr	Ala	Leu	Ile	Gln	Thr
145					150					155					160
Val	Thr	Thr	Phe	Ile	Leu	Ser	Phe	Cys	Asp	Ser	Asn	Leu	Val	Asn	His
				165					170					175	
Phe	Phe	Cys	Glu	Asp	Ile	Pro	Leu	Met	Ala	Leu	Ala	Cys	Ser	Asn	Thr
			180					185				190			
Gln	Val	Lys	Glu	Leu	Leu	Leu	Leu	Ser	Met	Ala	Gly	Phe	Asn	Val	Cys
			195			200					205				
Cys	Ser	Leu	Leu	Ile	Val	Leu	Ile	Ser	Tyr	Leu	Phe	Ile	Val	Ser	Ala
			210			215				220					
Ile	Leu	Lys	Lys	His	Ser	Gly	Glu	Gly	Arg	Gln	Lys	Val	Phe	Ser	Thr
225				230					235						240
Cys	Ala	Ser	His	Leu	Ser	Ser	Ile	Ala	Ile	Tyr	Tyr	Gly	Thr	Ile	Ile
				245				250						255	
Phe	Met	Tyr	Leu	Gln	Pro	Glu	Ser	Ser	His	Ser	Leu	Asn	Thr	Asp	Lys
			260				265					270			
Phe	Ala	Ala	Val	Phe	Tyr	Val	Val	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
			275				280				285				
Ile	Tyr	Ser	Leu	Arg	Asn	Thr	Glu	Val	Lys	Asn	Ala	Leu	Lys	Lys	Ser
	290				295					300					
Ile	Asp	Asn	Ile	Pro	Ile	Asn	Ile	Ser	Lys						
305					310										

<210> 1860
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1860

Met	Met	Asp	Asn	Leu	Ser	Ser	Ala	Thr	Glu	Phe	Cys	Leu	Leu	Gly	Phe
1				5					10					15	
Pro	Gly	Ser	Gln	Glu	Leu	His	Tyr	Ile	Leu	Phe	Ala	Ile	Phe	Phe	Phe
			20					25					30		
Phe	Tyr	Ser	Val	Thr	Leu	Leu	Gly	Asn	Met	Val	Ile	Ile	Ile	Ile	Val
			35				40					45			
Cys	Val	Asp	Lys	Arg	Leu	Gln	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Asn
			50			55				60					
Leu	Ser	Leu	Leu	Glu	Ile	Leu	Val	Thr	Thr	Thr	Ile	Val	Pro	Leu	Met
65					70				75					80	
Leu	Trp	Gly	Leu	Leu	Leu	Pro	Gly	Lys	Gln	Thr	Ile	Ser	Leu	Asn	Gly
			85					90					95		
Cys	Ile	Ala	Gln	Leu	Phe	Leu	Tyr	Leu	Ala	Leu	Gly	Thr	Thr	Glu	Phe
			100					105					110		
Ala	Val	Leu	Gly	Ala	Met	Ala	Val	Asp	Arg	Tyr	Val	Ala	Val	Cys	Asn
			115				120					125			
Pro	Leu	Arg	Tyr	Ser	Val	Ile	Met	Asn	Ser	Arg	Thr	Cys	Ile	Trp	Val
	130					135					140				
Val	Met	Val	Ser	Trp	Met	Phe	Gly	Phe	Leu	Ser	Glu	Ile	Trp	Pro	Val

145					150					155				160
Tyr	Ala	Thr	Phe	Gln	Phe	Thr	Phe	Cys	Lys	Ser	Asn	Leu	Leu	Asp
				165					170					175
Phe	Tyr	Cys	Asp	Arg	Gly	Gln	Leu	Leu	Lys	Leu	Ser	Cys	Asn	Glu
			180					185					190	
Phe	Leu	Thr	Glu	Phe	Ile	Leu	Phe	Ile	Met	Ala	Ile	Phe	Ile	Val
		195				200						205		
Gly	Ser	Leu	Ile	Pro	Thr	Ile	Val	Ser	Tyr	Thr	Tyr	Ile	Ile	Ser
	210					215					220			
Ile	Leu	Lys	Ile	Pro	Ser	Ala	Ser	Gly	Arg	Lys	Lys	Ala	Phe	Ser
225					230					235				240
Cys	Ala	Ser	His	Phe	Thr	Phe	Val	Val	Ile	Gly	Tyr	Gly	Thr	Cys
			245					250						255
Phe	Leu	Tyr	Val	Lys	Pro	Lys	Gln	Thr	Gln	Ala	Ala	Glu	Tyr	Asn
			260					265					270	
Val	Ala	Ser	Leu	Leu	Val	Ser	Val	Val	Thr	Pro	Phe	Leu	Asn	Pro
		275					280					285		
Ile	Phe	Thr	Leu	Arg	Asn	Asp	Lys	Val	Lys	Glu	Ala	Leu	Arg	Asp
	290				295						300			
Val	Lys	Arg	Cys	Cys	Leu	Leu	Leu	Arg	Asp					
305					310									

<210> 1861
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1861

Met	Ser	Leu	Met	Glu	Asn	Asn	Thr	Lys	Val	Thr	Glu	Phe	Leu	Leu	Leu
1				5				10						15	
Gly	Leu	Thr	Asn	Asp	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Ile	Phe
			20					25					30		
Leu	Leu	Ile	Tyr	Thr	Ile	Thr	Leu	Val	Gly	Asn	Leu	Gly	Leu	Ile	Leu
		35				40						45			
Leu	Ile	Val	Leu	Asp	Ser	Cys	Leu	His	Thr	Pro	Met	Tyr	Ile	Phe	Leu
	50				55					60					
Gly	Asn	Leu	Ser	Leu	Val	Asp	Phe	Cys	Tyr	Ser	Ser	Ala	Val	Thr	Pro
65					70				75						80
Ser	Val	Met	Thr	Glu	Leu	Leu	Ile	Gly	Lys	Lys	Val	Ile	Ser	Tyr	Asn
			85					90					95		
Asp	Cys	Ala	Ala	Gln	Thr	Phe	Phe	Phe	Val	Ala	Phe	Cys	Thr	Val	Glu
		100					105						110		
Asn	Tyr	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Val	Cys
	115					120						125			
Lys	Pro	Leu	His	Tyr	Ala	Ser	Thr	Met	Thr	Thr	Arg	Val	Cys	Ile	Tyr
	130					135				140					
Leu	Ser	Ile	Gly	Ser	Tyr	Val	Cys	Gly	Phe	Leu	Asn	Ala	Ser	Ile	Asn
145					150				155						160
Thr	Gly	Asn	Thr	Phe	Ser	Leu	Phe	Phe	Cys	Arg	Tyr	Asn	Met	Ile	His
				165				170						175	
His	Phe	Phe	Cys	Asp	Ile	Pro	Ala	Val	Met	Val	Leu	Ser	Cys	Ser	Asp
		180					185					190			
Arg	Tyr	Phe	Ser	Glu	Leu	Leu	Leu	Val	Tyr	Val	Val	Ser	Phe	Ser	Ile
	195					200					205				
Phe	Phe	Ala	Leu	Leu	Val	Ile	Cys	Ile	Ser	Tyr	Ile	Phe	Ile	Phe	Ile
	210					215					220				

Thr	Ile	Ala	Lys	Met	His	Ser	Ser	Ala	Gly	Tyr	Gly	Lys	Ala	Ala	Pro
225					230					235					240
Thr	Cys	Ala	Ser	His	Phe	Thr	Ala	Val	Ser	Ile	Phe	Tyr	Gly	Thr	Val
				245					250					255	
Ile	Phe	Met	Tyr	Leu	Leu	Pro	Ser	Ser	Ser	His	Ser	Met	Asp	Thr	Asp
		260					265						270		
Gln	Ile	Ala	Ser	Val	Phe	Tyr	Thr	Met	Ile	Ile	Pro	Met	Leu	Asn	Pro
	275						280					285			
Leu	Val	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ser	Ala	Phe	Thr	Lys
	290					295					300				
Ile	Phe	Gln	Val	Ala	Lys	Gln	Ser	Val	Met	Leu	Tyr	Phe			
305					310					315					

<210> 1862
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1862

Met	Met	His	Arg	Asn	Gln	Thr	Val	Val	Thr	Glu	Phe	Phe	Phe	Thr	Gly
1				5					10					15	
Leu	Thr	Ser	Ser	Phe	His	Leu	Gln	Ile	Val	Leu	Phe	Leu	Thr	Phe	Leu
			20					25					30		
Cys	Val	Tyr	Leu	Ala	Thr	Leu	Leu	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu
	35					40						45			
Ile	His	Leu	Asp	Thr	Arg	Leu	His	Ile	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ser	Phe	Val	Asp	Ala	Cys	Ser	Ser	Ser	Val	Ile	Ser	Pro	Lys
65					70					75					80
Met	Leu	Ser	Asp	Met	Phe	Val	Asp	Lys	Lys	Val	Ile	Ser	Phe	Leu	Gly
			85					90						95	
Cys	Ala	Ile	Gln	Leu	Cys	Leu	Phe	Ser	Gln	Phe	Val	Val	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
	115					120						125			
Pro	Leu	Leu	Tyr	Thr	Leu	Ile	Met	Ser	Gln	Arg	Val	Cys	Val	Gln	Leu
	130					135					140				
Val	Ile	Gly	Pro	Tyr	Ser	Ile	Gly	Phe	Ile	Ser	Thr	Met	Val	His	Ile
145					150					155					160
Ile	Ser	Ala	Phe	Val	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Leu	Ile	Asn	His
			165						170					175	
Phe	Phe	Cys	Asp	Leu	Leu	Pro	Val	Leu	Ser	Leu	Ala	Cys	Ala	Asn	Thr
		180						185					190		
Gln	Met	Asn	Lys	Arg	Leu	Leu	Phe	Ile	Val	Ala	Gly	Ile	Leu	Gly	Val
	195						200					205			
Phe	Ser	Gly	Ile	Ile	Ile	Leu	Val	Ser	Tyr	Val	Tyr	Ile	Ala	Ile	Thr
	210					215					220				
Ile	Leu	Lys	Ile	Ser	Ser	Ala	Asp	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225				230					235						240
Cys	Ser	Ser	His	Leu	Thr	Ala	Val	Ser	Ile	Leu	Tyr	Gly	Thr	Leu	Phe
			245					250						255	
Phe	Ile	Tyr	Val	Arg	Pro	Ser	Ser	Ser	Phe	Ser	Leu	Asp	Ile	Asn	Lys
		260					265						270		
Val	Val	Ser	Leu	Phe	Tyr	Thr	Thr	Val	Ile	Pro	Met	Leu	Asn	Pro	Phe
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Asp	Ala	Leu	Ile	Arg	Thr

290		295		300
Phe Glu Lys Gln Phe Cys Tyr Ser Leu Gln Asp Lys Ile Leu				
305		310		315

<210> 1863
 <211> 318
 <212> PRT
 <213> Mus musculus

<400> 1863

Met Met His Arg Asn Gln Thr Val Val Thr Glu Phe Phe Phe Thr Gly				
1	5	10	15	
Leu Thr Ser Ser Phe His Leu Gln Ile Val Leu Phe Leu Thr Phe Leu				
	20	25	30	
Cys Val Tyr Leu Ala Thr Leu Leu Gly Asn Leu Gly Met Ile Ile Leu				
	35	40	45	
Ile His Gln Asp Thr Arg Leu His Ile Pro Met Tyr Phe Phe Leu Ser				
	50	55	60	
His Leu Ser Phe Val Asp Ala Cys Ser Ser Ser Val Ile Ser Pro Lys				
65	70	75	80	
Met Leu Ser Asp Ile Phe Val Asp Lys Lys Val Ile Ser Phe Leu Gly				
	85	90	95	
Cys Ala Ile Gln Phe Cys Leu Phe Ser Gln Phe Val Val Thr Glu Cys				
	100	105	110	
Phe Leu Leu Ala Ser Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys				
	115	120	125	
Pro Leu Leu Tyr Thr Leu Ile Met Ser Gln Arg Val Cys Val Gln Leu				
	130	135	140	
Val Ile Gly Pro Tyr Ser Ile Gly Leu Ile Ser Thr Val Val His Thr				
145	150	155	160	
Thr Ser Ala Phe Ile Leu Pro Tyr Cys Gly Pro Asn Leu Ile Asn His				
	165	170	175	
Phe Phe Cys Asp Leu Leu Pro Val Leu Ser Leu Ala Cys Ala Asp Thr				
	180	185	190	
Gln Met Asn Lys His Leu Leu Phe Ile Met Ala Gly Ile Leu Gly Val				
	195	200	205	
Phe Ser Gly Ile Ile Ile Leu Val Ser Tyr Val Tyr Ile Thr Ile Thr				
	210	215	220	
Ile Leu Lys Ile Asn Ser Ala Asp Gly Arg Arg Lys Ala Phe Ser Thr				
225	230	235	240	
Cys Ser Ser His Leu Thr Ala Val Ser Ile Leu Tyr Gly Thr Leu Phe				
	245	250	255	
Phe Ile Tyr Val Arg Pro Ser Ser Ser Phe Ser Leu Asp Ile Asn Lys				
	260	265	270	
Val Val Ser Leu Phe Tyr Thr Ala Val Ile Pro Met Leu Asn Pro Phe				
	275	280	285	
Ile Tyr Ser Leu Arg Asn Lys Glu Val Lys Asp Ala Leu Ile Arg Thr				
	290	295	300	
Phe Glu Lys Lys Phe Cys Tyr Ser Leu Gln Asp Lys Ile Leu				
305	310	315		

<210> 1864
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1864

Met	Ala	Asp	Glu	Asn	Tyr	Thr	Arg	Ile	Thr	Glu	Phe	Ile	Phe	Ile	Gly
1				5					10					15	
Leu	Arg	Tyr	His	Pro	Asn	Leu	Gln	Val	Phe	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Leu	Phe	Tyr	Leu	Val	Thr	Met	Thr	Gly	Asn	Leu	Gly	Met	Ile	Ile	Leu
		35					40					45			
Ile	Arg	Val	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ser	Phe	Val	Asp	Ile	Cys	Phe	Ser	Ser	Val	Val	Ala	Pro	Lys
65					70					75					80
Met	Leu	Thr	Asp	Phe	Phe	Ala	Asp	Lys	Lys	Ala	Ile	Ser	Phe	Leu	Gly
				85					90					95	
Cys	Val	Leu	Gln	Gln	Trp	Phe	Phe	Gly	Phe	Phe	Val	Ala	Ile	Glu	Cys
			100					105					110		
Leu	Leu	Leu	Ala	Ser	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Ser	Val	Ala	Met	Ser	Gln	Arg	Leu	Cys	Ile	Gln	Leu
	130					135						140			
Val	Ile	Gly	Pro	Tyr	Ala	Val	Gly	Phe	Phe	Asn	Thr	Met	Thr	His	Thr
145					150					155					160
Thr	Ala	Ala	Phe	Arg	Leu	Pro	Phe	Cys	Gly	Ser	Asn	Ile	Ile	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Met	Ser	Pro	Ile	Leu	Ser	Leu	Ile	Cys	Ala	Asp	Ile
			180					185					190		
Arg	Ile	Asn	Lys	Leu	Leu	Val	Phe	Ile	Val	Ala	Gly	Ala	Val	Leu	Ile
		195					200					205			
Val	Ser	Ser	Thr	Thr	Ile	Ile	Val	Ser	Tyr	Phe	His	Ile	Leu	Ile	Ala
	210				215						220				
Ile	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225					230				235						240
Cys	Ser	Ser	His	Val	Thr	Ala	Val	Ser	Ile	Leu	Tyr	Gly	Thr	Leu	Phe
				245					250					255	
Phe	Ile	Tyr	Val	Arg	Pro	Ser	Ala	Ile	Ser	Ser	Leu	Asp	Leu	Asn	Lys
		260					265						270		
Val	Val	Ser	Val	Phe	Tyr	Thr	Ala	Val	Ile	Pro	Met	Leu	Asn	Pro	Leu
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Ser	Ala	Met	Gly	Arg	Thr
	290				295						300				
Val	Ala	Lys	Ala	Lys	Val	Phe	Leu	Lys	Asn						
305					310										

<210> 1865

<211> 312

<212> PRT

<213> Mus musculus

<400> 1865

Met	Asp	Val	Asp	Asn	Arg	Thr	Ile	Leu	Thr	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Phe	Ser	Ala	Asp	Pro	His	Trp	Gln	Leu	Ile	Leu	Phe	Gly	Ile	Phe	Leu
			20					25					30		
Thr	Ile	Tyr	Leu	Met	Thr	Leu	Leu	Gly	Asn	Met	Thr	Leu	Ile	Ile	Leu
		35				40						45			
Ile	Arg	Ile	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Gly

50		55		60											
Gly	Leu	Ser	Phe	Leu	Asp	Phe	Trp	Tyr	Asn	Ser	Val	Tyr	Ile	Pro	Lys
65					70					75					80
Ile	Leu	Val	Asn	Cys	Val	Ser	Glu	Asp	Lys	Arg	Ile	Ser	Leu	Ala	Gly
			85						90					95	
Cys	Gly	Ala	Gln	Phe	Phe	Phe	Ser	Cys	Val	Ala	Ala	Tyr	Thr	Glu	Cys
		100						105					110		
Tyr	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	His	Ala	Ala	Ile	Cys	Ser
		115					120					125			
Pro	Leu	Leu	Tyr	Ser	Ser	Ile	Met	Ser	Thr	Ser	Leu	Cys	Ala	Gly	Leu
	130					135					140				
Val	Gly	Ala	Ser	Tyr	Val	Gly	Gly	Phe	Leu	Asn	Ala	Ile	Ala	His	Thr
145					150					155					160
Ala	Asn	Thr	Phe	Arg	Leu	Arg	Phe	Cys	Gly	Lys	Asn	Ile	Ile	Asp	His
			165						170					175	
Phe	Phe	Cys	Asp	Val	Leu	Pro	Leu	Val	Lys	Met	Ser	Cys	Thr	Asp	Thr
		180						185				190			
Arg	Val	Tyr	Val	Lys	Ile	Leu	Ser	Ser	Met	Val	Gly	Phe	Thr	Val	Leu
	195					200						205			
Ser	Ser	Ile	Leu	Ala	Ile	Leu	Ile	Ser	Tyr	Leu	Asn	Ile	Leu	Leu	Ala
	210					215					220				
Ile	Leu	Arg	Ile	Arg	Ser	Ala	Ser	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ala	Ser	His	Leu	Val	Ser	Val	Thr	Leu	Phe	Tyr	Gly	Ser	Leu	Leu
			245						250				255		
Phe	Met	Tyr	Ser	Arg	Pro	Ser	Ser	Asn	Tyr	Ser	Leu	Glu	Arg	Asp	Lys
		260						265				270			
Val	Ala	Ala	Met	Phe	Tyr	Ile	Ile	Ile	Asn	Pro	Leu	Leu	Asn	Pro	Phe
	275					280						285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Phe	Lys	Lys	Leu
	290					295					300				
Met	Gln	Thr	Ile	Lys	Gln	Gln	Thr								
305					310										

<210> 1866
 <211> 320
 <212> PRT
 <213> Mus musculus

<400> 1866

Met	Thr	Arg	Phe	Ser	Ser	Val	Asp	Met	Glu	Leu	Asp	Asn	Arg	Thr	Ile
1				5					10					15	
Leu	Thr	Glu	Phe	Ile	Leu	Val	Gly	Phe	Ser	Ala	Asp	Pro	His	Trp	Gln
		20						25					30		
Leu	Thr	Leu	Phe	Gly	Ile	Phe	Leu	Thr	Ile	Tyr	Leu	Leu	Thr	Leu	Ser
		35					40					45			
Gly	Asn	Met	Leu	Leu	Val	Val	Leu	Ile	Arg	Ile	Asn	Ser	Arg	Leu	His
	50					55					60				
Thr	Pro	Met	Tyr	Phe	Phe	Ile	Ser	Asn	Leu	Ser	Phe	Leu	Asp	Phe	Trp
65					70					75					80
Tyr	Thr	Ser	Val	Tyr	Thr	Pro	Lys	Ile	Leu	Ala	Thr	Cys	Ile	Ser	Glu
			85						90				95		
Asp	Lys	Arg	Ile	Ser	Leu	Ala	Gly	Cys	Gly	Ala	Gln	Leu	Phe	Phe	Ser
		100						105					110		
Cys	Val	Val	Ala	Tyr	Thr	Glu	Cys	Tyr	Leu	Leu	Ala	Ala	Met	Ala	Tyr
		115					120					125			

Asp	Arg	His	Ser	Ala	Ile	Cys	Ser	Pro	Leu	Ile	Tyr	Ser	Ser	Ile	Met
130						135					140				
Ser	Ser	Ser	Leu	Cys	Thr	Gly	Leu	Val	Ala	Gly	Cys	Tyr	Ile	Gly	Gly
145					150					155					160
Val	Leu	Asn	Ala	Ile	Ala	His	Thr	Ala	Asn	Thr	Phe	Arg	Leu	Thr	Phe
				165					170					175	
Cys	Gly	Lys	Asn	Ile	Ile	Asp	His	Phe	Phe	Cys	Asp	Ala	Pro	Pro	Leu
			180					185					190		
Val	Lys	Met	Ser	Cys	Thr	Asp	Thr	Arg	Val	Tyr	Glu	Lys	Val	Leu	Leu
		195					200					205			
Gly	Val	Val	Gly	Phe	Thr	Val	Leu	Ser	Ser	Ile	Leu	Ala	Ile	Leu	Ile
	210					215					220				
Ser	Tyr	Phe	Asn	Ile	Leu	Leu	Ala	Ile	Leu	Arg	Ile	Arg	Ser	Ala	Ser
225					230					235					240
Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Ala	Ser	His	Leu	Val	Ser	Val
				245					250					255	
Met	Leu	Phe	Tyr	Gly	Ser	Leu	Leu	Phe	Met	Tyr	Ser	Arg	Pro	Ser	Ser
			260					265					270		
Thr	Tyr	Ser	Leu	Glu	Lys	Asp	Lys	Val	Ala	Ala	Leu	Phe	Tyr	Thr	Val
	275						280					285			
Val	Asn	Pro	Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp
	290					295					300				
Val	Lys	Asp	Ala	Phe	Arg	Lys	Ala	Thr	Gln	Thr	Ile	Arg	Pro	His	Thr
305					310					315					320

<210> 1867

<211> 305

<212> PRT

<213> Mus musculus

<400> 1867

Met	Glu	Gln	Tyr	Asn	Asp	Thr	Val	Thr	Glu	Phe	Ile	Leu	Val	Gly	Phe
1				5					10					15	
Thr	Thr	Asn	Pro	Val	Met	Gln	Leu	Val	Leu	Phe	Val	Ile	Phe	Leu	Ala
			20					25					30		
Val	Tyr	Ala	Leu	Thr	Val	Leu	Gly	Asn	Ser	Thr	Leu	Ile	Val	Leu	Ile
		35				40						45			
Cys	Asn	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Gly	Asn
	50					55				60					
Leu	Ser	Phe	Leu	Asp	Leu	Gly	Leu	Ser	Thr	Val	Tyr	Thr	Pro	Lys	Ile
65					70					75					80
Leu	Val	Thr	Cys	Ile	Ser	Glu	Asp	Lys	Ser	Ile	Ser	Phe	Ser	Gly	Cys
			85					90						95	
Val	Ala	Gln	Phe	Phe	Phe	Ser	Ala	Gly	Leu	Gly	Tyr	Thr	Glu	Cys	Tyr
			100					105					110		
Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ser	Lys	Pro
		115					120					125			
Leu	Leu	Tyr	Ser	Gln	Ala	Met	Ser	Leu	Lys	Leu	Cys	Ala	Phe	Leu	Val
	130					135					140				
Gly	Val	Ser	Tyr	Leu	Gly	Gly	Leu	Ile	Asn	Ser	Phe	Ile	Ile	Thr	Lys
145					150					155					160
Asp	Thr	Phe	Ala	Leu	Thr	Phe	Cys	Asn	Asp	Asn	Val	Ile	Asp	Asp	Phe
			165						170					175	
Phe	Cys	Asp	Ile	Pro	Pro	Leu	Val	Lys	Leu	Ala	Cys	Gly	Lys	Lys	Lys
			180					185					190		
Ser	Phe	Gln	Ser	Val	Leu	Phe	Phe	Leu	Leu	Thr	Ser	Asn	Val	Ile	Ile

195	200	205
Pro Ile Val Phe Ile Leu	Ala Thr Tyr Leu Phe	Ile Ile Ala Thr Ile
210	215	220
Leu Arg Ile Arg Ser Thr	Gln Gly Arg Leu Lys	Ala Phe Ser Thr Cys
225	230	235
Ser Ser His Leu Ile Ser	Val Thr Leu Tyr Tyr	Gly Ser Ile Leu Tyr
245	250	255
Ile Tyr Ala Trp Pro Arg	Ser Ser Tyr Ser Leu	Asp Arg Asp Lys Ile
260	265	270
Val Ser Thr Phe Tyr Thr	Val Val Phe Pro Met	Leu Asn Pro Leu Ile
275	280	285
Tyr Ser Leu Arg Asn Lys	Asp Val Lys Glu Ala	Leu Ser Lys Leu Phe
290	295	300
Lys		
305		

<210> 1868
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1868

Met Glu Arg Gly Asn His Thr Val Thr Gly Phe Ile Leu Leu Gly Phe	
1 5 10 15	
Ser Thr Asp Pro Val Met Gln Lys Ile Leu Phe Val Met Phe Leu Gly	
20 25 30	
Val Tyr Ser Leu Thr Leu Leu Gly Asn Thr Thr Leu Ile Ile Leu Ile	
35 40 45	
Cys Asn Asp Ser Arg Leu His Thr Pro Met Tyr Phe Phe Ile Gly Asn	
50 55 60	
Leu Ser Phe Leu Asp Leu Trp Tyr Ser Ser Val Tyr Thr Pro Lys Ile	
65 70 75 80	
Leu Val Thr Cys Ile Ser Glu Asp Lys Ser Ile Ser Phe Ala Gly Cys	
85 90 95	
Leu Ser Gln Phe Phe Phe Ser Ala Gly Leu Ala Tyr Ser Glu Cys Tyr	
100 105 110	
Leu Leu Ala Ala Met Ala Tyr Asp Arg Tyr Thr Ala Ile Ser Asn Pro	
115 120 125	
Leu Leu Tyr Ala Gln Ala Met Ser Arg Arg Leu Cys Val Cys Leu Val	
130 135 140	
Val Tyr Ser Tyr Thr Gly Phe Val Asn Ala Ile Ile Leu Thr Ser	
145 150 155 160	
Asn Thr Phe Thr Leu Asp Phe Cys Gly Asp Asn Val Ile Asp Asp Phe	
165 170 175	
Phe Cys Asp Val Pro Pro Leu Val Lys Leu Ala Cys Asp Val Arg Glu	
180 185 190	
Ser Tyr Gln Ser Val Leu Tyr Phe Leu Leu Ala Ser Asn Val Ile Ser	
195 200 205	
Pro Thr Leu Leu Ile Leu Thr Ser Tyr Leu Phe Ile Ile Ala Ala Ile	
210 215 220	
Leu Arg Ile Arg Ser Thr Gln Gly Arg Leu Lys Ala Phe Ser Thr Cys	
225 230 235 240	
Ser Ser His Leu Ile Ser Val Thr Leu Tyr Tyr Gly Ser Ile Leu Tyr	
245 250 255	
Ile Tyr Ser Arg Pro Ser Ser Ser Tyr Ser Leu Glu Arg Asp Lys Met	
260 265 270	

Val	Ser	Thr	Phe	Tyr	Thr	Val	Leu	Phe	Pro	Met	Leu	Asn	Pro	Met	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Ala	Leu	Arg	Lys	Leu	Phe
		290				295					300				
Lys	Leu	Ala	Pro	Ser	Glu	Val									
305					310										

<210> 1869
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1869

Met	Glu	Ile	Ser	Asn	Gln	Ser	Gly	Ile	Ser	Glu	Phe	Phe	Leu	Thr	Gly
1				5				10						15	
Leu	Thr	Tyr	Ser	Pro	Ala	Ile	Glu	Ser	Phe	Ile	Phe	Ser	Leu	Phe	Leu
			20				25						30		
Ser	Ile	Tyr	Phe	Val	Thr	Ile	Phe	Gly	Asn	Ile	Leu	Ile	Ile	Leu	Ala
		35					40					45			
Val	Arg	Leu	Asp	Tyr	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Ala
	50					55					60				
Asn	Leu	Ser	Phe	Thr	Asp	Ile	Cys	Ile	Ser	Thr	Thr	Ile	Ile	Pro	Lys
65					70					75					80
Met	Leu	Leu	Asn	Ile	Glu	Thr	Gln	Asn	Gln	Ser	Ile	Thr	Tyr	Thr	Gly
				85					90					95	
Cys	Leu	Ser	Gln	Val	Cys	Phe	Val	Leu	Ile	Phe	Gly	Gly	Leu	Glu	Ser
			100					105					110		
Cys	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Val	His
		115					120					125			
Pro	Leu	Arg	Tyr	Thr	Val	Ile	Met	Asn	Pro	Cys	Leu	Cys	Val	Leu	Leu
	130					135					140				
Val	Leu	Leu	Ser	Leu	Phe	Ile	Ser	Thr	Ile	Asn	Ala	Leu	Leu	His	Ser
145					150					155					160
Leu	Met	Leu	Leu	Lys	Leu	Ser	Phe	Cys	Lys	Asp	Gln	Asn	Ile	Leu	His
				165					170					175	
Phe	Phe	Cys	Glu	Leu	Val	Gln	Val	Ile	Lys	His	Ala	Cys	Ser	Asp	Thr
		180						185					190		
Phe	Ile	Asn	Thr	Leu	Leu	Ile	Tyr	Thr	Val	Thr	Ser	Val	Phe	Ala	Gly
		195					200					205			
Val	Pro	Leu	Ala	Gly	Ile	Ile	Phe	Ser	Tyr	Ile	Gln	Ile	Val	Ser	Ser
	210					215					220				
Ile	Leu	Lys	Ile	Ser	Ser	Val	Gln	Gly	Arg	Asn	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ala	Phe
				245					250					255	
Gly	Val	Tyr	Met	Ser	Ser	Ala	Val	Ser	Asp	Ser	Ser	Val	Lys	Asn	Ile
			260					265					270		
Val	Phe	Ser	Met	Met	Tyr	Thr	Val	Val	Pro	Gln	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Glu	Met	Lys	Gln	Ala	Met	Arg	His	Leu
	290					295					300				
Leu	Phe	Pro	Val	Val	Leu	Ser	Ser	Pro							
305					310										

<210> 1870

<211> 315
 <212> PRT
 <213> Mus musculus

<400> 1870

Met	Ser	Asn	Met	Glu	Val	Glu	Asn	Lys	Ser	Val	Val	Leu	Asp	Ile	Phe
1				5					10					15	
Leu	His	Gly	Leu	Thr	Asn	Asp	Pro	Glu	Leu	Gln	Pro	Phe	Ile	Phe	Val
		20						25					30		
Leu	Phe	Leu	Ser	Ile	Tyr	Leu	Ile	Thr	Val	Ser	Gly	Asn	Leu	Leu	Ile
		35					40					45			
Met	Leu	Ala	Ile	Lys	Cys	Asp	Phe	His	Leu	His	Asn	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Cys	His	Leu	Ser	Phe	Asn	Asp	Met	Tyr	Leu	Ile	Ser	Ile	Thr
65					70					75					80
Val	Pro	Lys	Met	Leu	Met	Asn	Ile	Gln	Thr	Lys	Asp	Gln	Arg	Ile	Thr
			85						90					95	
Phe	Ala	Gly	Cys	Leu	Ser	Gln	Ala	Cys	Phe	Val	Val	Val	Cys	Thr	Ile
			100					105					110		
Phe	Glu	Cys	Phe	Leu	Leu	Gly	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Ile	Ala
		115					120					125			
Ile	Cys	Tyr	Pro	Leu	Arg	Tyr	Thr	Val	Leu	Met	Asn	Pro	Ser	Phe	Cys
	130					135					140				
Val	Ile	Leu	Val	Leu	Phe	Ser	Leu	Phe	Phe	Ser	Ile	Val	Asn	Gly	Leu
145					150					155					160
Leu	His	Ser	Leu	Met	Val	Leu	Tyr	Leu	Ser	Phe	Cys	Thr	Asp	Leu	Glu
			165						170					175	
Ile	Leu	His	Phe	Phe	Cys	Glu	Ile	Ala	Gln	Ile	Leu	Lys	Leu	Ala	Cys
			180					185					190		
Ser	Asp	Ser	Leu	Ile	Asn	Asn	Ile	Leu	Ile	Phe	Val	Thr	Ala	Ser	Ile
	195						200					205			
Phe	Ala	Gly	Leu	Pro	Leu	Phe	Ala	Ile	Ile	Phe	Ser	Tyr	Thr	His	Ile
	210					215					220				
Val	Ser	Thr	Val	Leu	Lys	Met	Pro	Ser	Ser	Glu	Gly	Lys	Tyr	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly
			245						250					255	
Thr	Gly	Phe	Gly	Val	Tyr	Ile	Thr	Ser	Lys	Val	Ile	Asp	Ser	Pro	Lys
		260						265					270		
Lys	Ile	Ala	Val	Ala	Ser	Val	Met	Tyr	Ser	Val	Val	Pro	Pro	Met	Leu
	275						280					285			
Asn	Pro	Phe	Val	Tyr	Cys	Leu	Arg	Asn	Arg	Asp	Met	Lys	Glu	Ala	Leu
	290					295					300				
Lys	Lys	Val	Ile	Gly	Arg	Thr	Ala	Ser	Leu	Leu					
305					310					315					

<210> 1871
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1871

Met	Glu	Val	Lys	Asn	Lys	Ser	Val	Val	Leu	Asp	Ile	Phe	Leu	His	Gly
1				5					10					15	
Leu	Thr	Asp	Asp	Ile	Glu	Leu	Gln	Pro	Phe	Ile	Phe	Gly	Phe	Phe	Leu
		20						25					30		

Cys	Met	Tyr	Leu	Ile	Thr	Ile	Phe	Gly	Asn	Leu	Leu	Ile	Met	Leu	Ala
	35						40					45			
Ile	Ile	Cys	Asp	Ser	His	Leu	His	Lys	Pro	Met	Tyr	Phe	Phe	Leu	Cys
	50					55					60				
His	Leu	Ala	Phe	Asn	Asp	Met	Tyr	Leu	Ile	Ser	Ile	Thr	Val	Pro	Lys
65				70						75					80
Leu	Leu	Val	Asn	Val	Gln	Thr	Gln	Asp	Gln	Arg	Ile	Thr	Leu	Ala	Gly
			85						90					95	
Cys	Leu	Ser	Gln	Gly	Cys	Phe	Val	Ala	Val	Cys	Phe	Ile	Phe	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Gly	Ile	Met	Ala	Tyr	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Phe
	115						120					125			
Pro	Leu	Arg	Tyr	Thr	Val	Leu	Ile	Asn	Pro	Phe	Phe	Cys	Val	Ile	Val
	130					135					140				
Val	Leu	Ile	Ser	Leu	Phe	Ile	Ser	Ile	Val	Asn	Gly	Leu	Leu	His	Ser
145					150					155					160
Leu	Met	Val	Leu	His	Leu	Ser	Phe	Cys	Thr	Asp	Leu	Glu	Ile	Leu	His
				165					170					175	
Phe	Phe	Cys	Glu	Ile	Ala	Gln	Ile	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Asn
		180						185					190		
Leu	Ile	Asn	Asn	Ile	Leu	Ile	Phe	Val	Thr	Ala	Ser	Ser	Phe	Ala	Gly
	195						200					205			
Val	Pro	Leu	Cys	Gly	Ile	Ile	Phe	Ser	Tyr	Val	His	Ile	Val	Ser	Thr
	210					215					220				
Val	Leu	Lys	Met	Pro	Ser	Ser	Glu	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Gly	Phe
			245						250					255	
Gly	Val	Tyr	Ile	Thr	Ser	Val	Val	Ile	Asp	Ser	Pro	Lys	Glu	Ile	Ala
			260					265					270		
Ile	Ala	Ser	Val	Met	Tyr	Ser	Ile	Val	Pro	Pro	Met	Leu	Asn	Pro	Phe
	275						280					285			
Val	Tyr	Ser	Leu	Lys	Asn	Arg	Asp	Met	Lys	Glu	Ala	Leu	Lys	Lys	Val
	290					295					300				
Ile	Gly	Arg	Thr	Val	Ser	Leu	Pro								
305					310										

<210> 1872

<211> 317

<212> PRT

<213> Mus musculus

<400> 1872

Met	Cys	Lys	Met	Glu	Val	Glu	Asn	Lys	Ser	Val	Val	Phe	Asp	Ile	Phe
1				5				10						15	
Leu	His	Gly	Leu	Thr	Asp	Asp	Thr	Glu	Leu	Gln	Pro	Phe	Ile	Phe	Gly
		20						25					30		
Leu	Phe	Leu	Cys	Met	Tyr	Leu	Ile	Thr	Ile	Phe	Gly	Asn	Leu	Leu	Ile
		35					40					45			
Ile	Leu	Ala	Ile	Ile	Cys	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe
	50				55						60				
Phe	Leu	Cys	His	Leu	Ala	Phe	Asn	Asp	Met	Tyr	Leu	Ile	Ser	Ile	Thr
65					70					75					80
Val	Pro	Lys	Met	Leu	Val	Asn	Ile	Gln	Thr	Gln	Asp	Gln	Arg	Ile	Thr
			85					90					95		
Phe	Ala	Gly	Cys	Leu	Ser	Gln	Gly	Cys	Phe	Val	Ala	Val	Cys	Thr	Ile

			100					105				110			
Phe	Glu	Cys	Phe	Leu	Leu	Gly	Ile	Met	Ala	Tyr	Asp	Arg	Phe	Ile	Ala
		115					120					125			
Ile	Cys	Tyr	Pro	Leu	Arg	Tyr	Thr	Val	Leu	Met	Asn	Pro	Cys	Phe	Cys
	130					135					140				
Val	Ile	Leu	Thr	Leu	Ile	Ser	Leu	Phe	Phe	Ser	Ile	Val	Asn	Gly	Leu
145					150					155					160
Leu	His	Ser	Leu	Met	Val	Leu	His	Leu	Ser	Phe	Cys	Thr	Asp	Leu	Glu
			165						170					175	
Ile	Leu	His	Phe	Phe	Cys	Glu	Ile	Ala	Gln	Ile	Leu	Lys	Leu	Ala	Cys
			180					185					190		
Ser	Asp	Ser	Leu	Ile	Asn	Asn	Ile	Leu	Ile	Phe	Val	Thr	Ser	Ser	Ile
		195					200					205			
Phe	Ala	Gly	Val	Pro	Leu	Cys	Gly	Ile	Ile	Phe	Ser	Tyr	Val	His	Ile
	210					215					220				
Val	Ser	Thr	Val	Leu	Lys	Met	Pro	Ser	Leu	Glu	Gly	Lys	Tyr	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly
			245						250					255	
Thr	Gly	Phe	Gly	Val	Tyr	Ile	Ser	Ser	Asn	Val	Ile	Asp	Ser	Pro	Lys
			260					265					270		
Lys	Ile	Ala	Met	Ala	Ser	Val	Met	Tyr	Ser	Ile	Val	Pro	Pro	Met	Met
	275						280					285			
Asn	Pro	Phe	Ile	Tyr	Ser	Met	Arg	Asn	Arg	Asn	Met	Lys	Glu	Ala	Leu
	290					295					300				
Lys	Lys	Val	Ile	Gly	Arg	Lys	Leu	Leu	Phe	Ser	Asp	Val			
305					310					315					

<210> 1873
 <211> 295
 <212> PRT
 <213> Mus musculus

<400> 1873

Met	Gly	Leu	Ser	Asp	Asp	Leu	Gln	Leu	Gln	Pro	Ile	Leu	Phe	Gly	Leu
1			5					10					15		
Phe	Leu	Ser	Met	Tyr	Leu	Val	Thr	Leu	Gly	Asn	Leu	Leu	Ile	Ile	
		20					25					30			
Leu	Thr	Val	Ser	Ser	Asp	Ser	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe
	35					40					45				
Leu	Ser	Asn	Leu	Ser	Leu	Ala	Asp	Val	Ser	Phe	Thr	Ser	Thr	Thr	Leu
	50				55					60					
Pro	Lys	Met	Ile	Val	Asp	Ile	Gln	Thr	His	Asn	Arg	Ala	Ile	Ser	Tyr
65				70					75					80	
Ser	Gly	Cys	Leu	Thr	Gln	Met	Ser	Phe	Phe	Met	Leu	Phe	Gly	Cys	Leu
			85					90					95		
Asp	Ser	Leu	Leu	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile
		100					105					110			
Cys	His	Pro	Leu	His	Tyr	Gln	Phe	Ile	Met	Asn	Pro	Arg	Leu	Cys	Gly
	115					120					125				
Leu	Leu	Val	Phe	Leu	Ser	Val	Leu	Ile	Ser	Leu	Phe	Val	Ser	Gln	Leu
	130					135					140				
His	Asn	Ser	Val	Val	Leu	Gln	Leu	Thr	Tyr	Phe	Lys	Ser	Val	Asp	Ile
145					150					155					160
Ser	His	Phe	Phe	Cys	Asp	Pro	Ser	Gln	Leu	Asn	Leu	Ala	Cys	Ser	
			165					170					175		

Asp	Thr	Phe	Thr	Asn	Asn	Ile	Val	Met	Tyr	Phe	Val	Gly	Ala	Ile	Ser
			180					185					190		
Gly	Phe	Leu	Pro	Ile	Ser	Gly	Ile	Phe	Phe	Ser	Tyr	Tyr	Lys	Ile	Val
		195				200						205			
Ser	Ser	Ile	Leu	Arg	Met	Pro	Ser	Pro	Gly	Gly	Lys	Tyr	Lys	Ala	Phe
	210				215						220				
Ser	Thr	Cys	Gly	Ser	His	Leu	Ser	Val	Val	Cys	Leu	Phe	Tyr	Gly	Thr
225					230					235					240
Gly	Leu	Gly	Val	Tyr	Leu	Ser	Ser	Ala	Val	Ser	Leu	Ser	Pro	Arg	Lys
				245					250					255	
Gly	Ala	Val	Ala	Ser	Ile	Val	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn
			260					265					270		
Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Gln	Asp	Ile	Lys	Arg	Ala	Met	Trp
		275					280					285			
Arg	Leu	Leu	Arg	Lys	Thr	Val									
	290					295									

<210> 1874
 <211> 306
 <212> PRT
 <213> Mus musculus

<400> 1874

Met	Glu	Pro	Tyr	Asn	Leu	Thr	Gly	Ala	Leu	Glu	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Glu	Asp	Pro	Glu	Leu	Gln	Pro	Val	Leu	Phe	Ala	Leu	Phe	Leu
			20					25					30		
Leu	Ile	Tyr	Leu	Leu	Thr	Val	Leu	Gly	Asn	Val	Leu	Ile	Ile	Leu	Ala
		35					40					45			
Ile	Ser	Ser	Asp	Ser	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Tyr
	50					55					60				
Asn	Leu	Ser	Leu	Ser	Asp	Met	Gly	Phe	Ser	Ser	Thr	Thr	Ile	Pro	Lys
65					70				75					80	
Met	Leu	Ile	Asn	Met	Gln	Thr	His	Asn	Lys	Ser	Ile	Thr	Tyr	Ala	Ala
			85						90					95	
Cys	Leu	Thr	Gln	Val	Ser	Phe	Phe	Thr	Leu	Phe	Gly	Cys	Met	Asp	Ser
			100					105					110		
Leu	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Trp	Val	Ala	Ile	Cys	Arg
		115					120					125			
Pro	Leu	Tyr	Tyr	Gln	Val	Ile	Leu	Asn	Pro	Gly	Leu	Cys	Arg	Arg	Leu
	130					135					140				
Val	Leu	Met	Leu	Phe	Phe	Ile	Ser	Tyr	Met	Asn	Ser	Leu	Val	His	Tyr
145					150					155				160	
Phe	Ile	Val	Ser	Gln	Leu	Lys	Phe	Cys	Thr	Asn	Met	Glu	Ile	Pro	His
				165					170					175	
Phe	Phe	Cys	Asp	Ile	Pro	Glu	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr
			180					185					190		
Ser	Ile	Asn	Asn	Leu	Phe	Arg	Phe	Leu	Leu	Ser	Ile	Ile	Phe	Gly	Phe
		195					200					205			
Leu	Pro	Val	Ser	Gly	Ile	Phe	Tyr	Ser	Tyr	Tyr	Lys	Ile	Ile	Ser	Ser
	210					215					220				
Ile	Ile	Arg	Val	Pro	Ser	Leu	Leu	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Cys	Leu	Phe	Tyr	Gly	Thr	Gly	Leu
				245					250					255	
Glu	Ala	Tyr	Leu	Ser	Ser	Thr	Ile	Ser	Arg	Ser	Thr	Arg	Glu	Asn	Met

<210> 1876
 <211> 295
 <212> PRT
 <213> Mus musculus

<400> 1876

Met	Ser	Leu	Ser	Glu	Asn	Val	Glu	Leu	Gln	Pro	Phe	Leu	Leu	Val	Leu
1				5					10					15	
Phe	Leu	Ser	Phe	Tyr	Met	Val	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile
			20					25					30		
Leu	Ala	Val	Cys	Ser	Asp	Phe	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe
		35					40					45			
Leu	Ser	Asn	Leu	Ser	Trp	Ser	Asp	Ile	Cys	Leu	Ile	Ser	Thr	Ile	Val
	50					55					60				
Pro	Arg	Met	Ile	Trp	Asp	Ile	Gly	Thr	Gln	Ser	Arg	Val	Ile	Ser	Tyr
65					70					75					80
Val	Ser	Cys	Leu	Thr	Gln	Met	Ser	Met	Phe	Ile	Val	Phe	Gly	Cys	Met
				85					90					95	
Asp	Ser	Met	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile
			100					105					110		
Cys	His	Pro	Leu	His	Tyr	Lys	Ile	Ile	Met	Asn	Pro	Asn	Leu	Cys	Ala
		115					120					125			
Phe	Leu	Leu	Leu	Ala	Ser	Val	Leu	Ala	Ser	Leu	Val	Asp	Ser	Gln	Val
	130					135					140				
His	Asn	Leu	Ile	Val	Leu	Gln	Phe	Thr	Tyr	Phe	Asn	Asp	Met	Glu	Ile
145					150					155					160
Ser	Asn	Phe	Phe	Cys	Asp	Pro	Ser	Gln	Leu	Leu	Asn	His	Asn	Cys	Ser
				165					170					175	
Glu	Met	Phe	Thr	Lys	Asn	Ile	Val	Ile	His	Phe	Ile	Gly	Val	Phe	Phe
			180					185					190		
Gly	Leu	Phe	Ser	Thr	Thr	Gly	Ile	Ile	Phe	Ser	Tyr	Tyr	Lys	Ile	Ile
		195				200						205			
Ser	Ser	Ile	Leu	Arg	Ile	Pro	Thr	Lys	Asp	Gly	Lys	Tyr	Lys	Ala	Phe
	210					215					220				
Ser	Thr	Cys	Gly	Ser	His	Leu	Ser	Val	Val	Cys	Leu	Phe	Tyr	Gly	Thr
225					230					235					240
Ser	Ile	Gly	Val	Tyr	Ile	Gly	Ser	Thr	Ala	Ser	Asn	Ser	Pro	Lys	Asn
			245						250					255	
Cys	Ala	Ile	Ala	Ser	Leu	Met	Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn
		260						265					270		
Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Ile	Lys	Thr	Ala	Leu	Trp
		275					280					285			
Gln	Leu	Gln	Arg	Arg	Ala	Met									
	290					295									

<210> 1877
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1877

Met	Met	Lys	Leu	Lys	Met	Glu	Asn	Ile	Thr	Tyr	Val	Ser	Gln	Phe	Tyr
1				5					10					15	
Leu	Leu	Arg	Val	Ser	Asp	Asp	Pro	Glu	Leu	Gln	Pro	Phe	Leu	Ser	Gly
			20					25					30		
Leu	Phe	Leu	Ser	Met	Tyr	Leu	Ile	Ser	Val	Leu	Gly	Asn	Leu	Ile	Ile

Met	Asp	Asp	Met	Ile	Leu	Asn	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala
	115						120					125			
Ile	Cys	His	Pro	Leu	His	Tyr	Thr	Val	Leu	Met	Asn	Pro	Gln	Val	Cys
	130					135					140				
Val	Ile	Leu	Ile	Leu	Leu	Ser	Phe	Ser	Val	Ser	Val	Phe	Asp	Ser	Gln
145				150					155						160
Leu	His	Asn	Leu	Ile	Ala	Leu	Gln	Asp	Thr	Cys	Phe	Arg	Asp	Val	Glu
			165					170						175	
Ile	Ala	Asn	Phe	Phe	Cys	His	Pro	Ser	Gln	Leu	Leu	Asn	Leu	Ala	Cys
		180						185					190		
Thr	Asn	Thr	Leu	Ser	Ser	Asn	Ile	Val	Ile	Tyr	Phe	Ile	Gly	Val	Ile
	195						200					205			
Leu	Gly	Ile	Phe	Pro	Val	Leu	Gly	Ile	Ile	Leu	Ser	Tyr	Cys	Lys	Ile
	210					215					220				
Val	Phe	Ser	Ile	Leu	Lys	Ile	Pro	Ser	Ser	Ser	Gly	Lys	Tyr	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Gly	Ser	His	Leu	Leu	Val	Val	Cys	Leu	Phe	Tyr	Gly
				245					250					255	
Thr	Gly	Ile	Gly	Val	Tyr	Leu	Gly	Ser	Ala	Val	Ser	His	Ser	Pro	Arg
		260					265						270		
Lys	Asn	Ala	Val	Ala	Ser	Leu	Met	Tyr	Thr	Ala	Val	Ser	Pro	Met	Leu
	275					280						285			
Asn	Pro	Phe	Ile	Tyr	Thr	Leu	Arg	Asn	Arg	Asp	Ile	Ser	Asn	Ala	Leu
	290					295					300				
Lys	Arg	Phe	His	Ser	Arg	Phe	Ser								
305					310										

<210> 1879
 <211> 295
 <212> PRT
 <213> Mus musculus

<400> 1879

Met	Ser	Leu	Ser	Glu	Asn	Val	Glu	Val	Gln	Pro	Phe	Leu	Leu	Val	Leu
1				5					10					15	
Phe	Leu	Ser	Phe	Tyr	Met	Val	Thr	Val	Leu	Gly	Asn	Leu	Leu	Ile	Ile
		20					25						30		
Leu	Ala	Val	Cys	Ser	Asp	Phe	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe
	35					40					45				
Leu	Ser	Asn	Leu	Ser	Trp	Ser	Asp	Ile	Cys	Leu	Ile	Ser	Thr	Ile	Val
	50				55					60					
Pro	Arg	Met	Ile	Trp	Asp	Ile	Gly	Thr	Gln	Ser	Arg	Val	Ile	Ser	Tyr
65				70					75					80	
Val	Ser	Cys	Leu	Thr	Gln	Met	Ser	Met	Phe	Ile	Leu	Phe	Ala	Cys	Met
			85						90				95		
Asp	Ser	Met	Leu	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile
		100					105						110		
Cys	His	Pro	Leu	His	Tyr	Lys	Ile	Ile	Met	Asn	Pro	Asn	Leu	Cys	Ala
		115				120						125			
Phe	Leu	Leu	Leu	Ala	Ser	Val	Leu	Ala	Ser	Leu	Val	Asp	Ser	Gln	Val
	130					135					140				
His	Asn	Leu	Ile	Val	Leu	Gln	Phe	Thr	His	Phe	Ser	Gly	Met	Glu	Ile
145				150					155					160	
Ser	Asn	Phe	Tyr	Cys	Asp	Pro	Ser	Gln	Leu	Leu	Asn	Leu	Asn	Cys	Ser
			165					170					175		
Glu	Met	Phe	Thr	Lys	Ser	Ile	Val	Ile	His	Phe	Ile	Gly	Val	Phe	Phe

			180					185				190			
Gly	Leu	Phe	Ser	Thr	Thr	Gly	Ile	Ile	Ser	Ser	Tyr	Tyr	Lys	Ile	Ile
		195					200					205			
Ser	Ser	Ile	Leu	Arg	Ile	Pro	Ser	Lys	Asp	Gly	Lys	Tyr	Lys	Ala	Phe
	210					215					220				
Ser	Thr	Cys	Gly	Ser	His	Leu	Ser	Val	Val	Cys	Leu	Phe	Tyr	Gly	Thr
225					230					235					240
Ala	Thr	Ala	Val	Tyr	Ile	Gly	Ser	Thr	Ser	Ser	Tyr	Ser	Pro	Glu	Asn
				245					250					255	
Cys	Ala	Val	Ala	Ser	Leu	Met	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn
			260					265					270		
Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Ile	Lys	Ile	Ala	Leu	Arg
		275					280						285		
Lys	Leu	Gln	Arg	Arg	Ala	Ile									
	290					295									

<210> 1880
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1880

Met	Lys	Asn	Arg	Thr	Ser	Val	Ser	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Ser	Asp	Pro	Lys	Leu	Asn	Ile	Leu	Ile	Phe	Ile	Phe	Leu	Phe	Ile	Thr
			20					25					30		
Tyr	Ile	Leu	Ser	Ile	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Thr	Leu	Thr	Leu
	35						40					45			
Ile	Asp	Ser	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50					55					60				
Ser	Phe	Leu	Glu	Ile	Ser	Phe	Thr	Thr	Val	Ser	Ile	Pro	Arg	Phe	Leu
65				70					75						80
Val	Ser	Ile	Val	Thr	Gly	Asp	Met	Thr	Ile	Ser	Tyr	Asn	Ser	Cys	Met
				85					90					95	
Ala	Gln	Val	Phe	Phe	Phe	Ile	Leu	Leu	Gly	Ser	Thr	Glu	Phe	Phe	Leu
			100						105				110		
Leu	Thr	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
	115						120					125			
His	Tyr	Thr	Thr	Ile	Met	Asn	Ser	Arg	Val	Cys	Met	Gln	Leu	Ile	Val
	130					135					140				
Ser	Ser	Trp	Leu	Ala	Gly	Phe	Leu	Ile	Ile	Phe	Pro	Pro	Val	Ile	Met
145				150					155						160
Gly	Leu	Gln	Leu	Asp	Phe	Cys	Asp	Ser	Asn	Ile	Ile	Asp	His	Phe	Thr
				165					170					175	
Cys	Asp	Ser	Ser	Pro	Leu	Leu	Leu	Ile	Ser	Cys	Thr	Asp	Thr	Ala	Phe
			180						185				190		
Leu	Glu	Leu	Leu	Ala	Phe	Phe	Leu	Ala	Val	Phe	Thr	Leu	Met	Val	Thr
	195						200					205			
Leu	Thr	Leu	Val	Ile	Leu	Ser	Tyr	Ser	Phe	Ile	Leu	Arg	Thr	Ile	Leu
	210					215					220				
Arg	Ile	Pro	Ser	Ala	Glu	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225				230						235					240
Ser	His	Met	Ile	Val	Val	Ser	Ile	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met
			245						250					255	
Tyr	Val	Lys	Thr	Ser	Ala	Lys	Glu	Gly	Val	Ala	Leu	Thr	Lys	Gly	Ile
			260					265					270		

Ala	Val	Leu	Asn	Thr	Ser	Val	Ala	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Ser	Leu	Arg	Asn	Lys	Gln	Val	Lys	Glu	Ser	Phe	Arg	Asn	Leu	Ile	Lys
	290					295					300				
Lys	Cys	Ile	Ser	Asn	Lys	Ile									
305					310										

<210> 1881
 <211> 319
 <212> PRT
 <213> Mus musculus

<400> 1881

Met	Lys	Asn	Gln	Ser	Val	Glu	Ile	Val	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Asp	Asp	Pro	Gln	Leu	Gln	Ile	Leu	Ile	Phe	Leu	Phe	Met	Phe	Phe	Asn
			20					25					30		
Tyr	Ile	Leu	Ser	Leu	Ile	Gly	Asn	Leu	Ile	Ile	Ile	Phe	Leu	Thr	Leu
	35					40						45			
Leu	Asp	Leu	Arg	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50				55						60				
Ser	Phe	Leu	Glu	Met	Ala	Phe	Thr	Ser	Ser	Cys	Ile	Pro	Arg	Phe	Leu
65				70						75					80
Met	Ser	Ile	Leu	Thr	Gly	Asp	Lys	Thr	Ile	Ser	Tyr	Gly	Ser	Cys	Leu
			85						90					95	
Thr	Gln	Leu	Phe	Phe	Phe	Phe	Leu	Leu	Leu	Ile	Thr	Glu	Phe	Tyr	Leu
			100					105					110		
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg	Pro	Leu
	115						120					125			
His	Tyr	Pro	Ile	Ile	Met	Asn	Ser	Lys	Val	Cys	His	Leu	Leu	Val	Leu
	130					135					140				
Ser	Ser	Trp	Val	Thr	Gly	Phe	Leu	Ser	Ile	Phe	Pro	Pro	Leu	Met	Leu
145					150					155					160
Gly	Leu	Lys	Leu	Asp	Phe	Cys	Ala	Ser	Lys	Leu	Ile	Asp	His	Phe	Leu
			165						170					175	
Cys	Asp	Thr	Ser	Pro	Val	Leu	Gln	Leu	Ser	Cys	Thr	Asp	Thr	Arg	Phe
		180						185					190		
Ile	Glu	Trp	Met	Ala	Phe	Val	Ile	Ala	Ile	Met	Thr	Leu	Ile	Ile	Thr
	195						200					205			
Leu	Ile	Leu	Val	Ile	Leu	Ser	Tyr	Thr	Leu	Ile	Ile	Lys	Thr	Ile	Leu
	210					215					220				
Lys	Phe	Pro	Ser	Ala	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser	
225				230					235					240	
Ser	His	Met	Val	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Met
			245						250					255	
Tyr	Ile	Lys	Thr	Ser	Ala	Lys	Glu	Arg	Val	Ser	Leu	Asn	Lys	Gly	Val
		260						265					270		
Ala	Val	Leu	Asn	Thr	Ser	Val	Ala	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr
	275						280					285			
Thr	Leu	Arg	Asn	Gln	Gln	Val	Lys	Asp	Ala	Phe	Lys	Gln	Val	Leu	Gln
	290					295					300				
Arg	Leu	Cys	His	Ser	Gln	Asn	Ser	Glu	Leu	Arg	Phe	Arg	His	Gln	
305					310					315					

<210> 1882

<211> 308
 <212> PRT
 <213> Mus musculus

<400> 1882

Met	Lys	Asn	Tyr	Thr	Ile	Ile	Thr	Glu	Phe	Val	Leu	Leu	Gly	Ile	Ser
1				5					10					15	
Gly	Asn	Arg	Glu	Leu	Gln	Val	Val	Ile	Phe	Val	Phe	Leu	Leu	Ile	Thr
			20					25					30		
Tyr	Ile	Val	Ser	Ile	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Leu	Leu	Thr	Leu
		35					40					45			
Leu	Asp	Ser	His	Leu	Lys	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Arg	Asn	Phe
	50					55					60				
Ser	Phe	Leu	Glu	Ile	Met	Phe	Thr	Ser	Val	Ser	Ile	Pro	Arg	Phe	Leu
65					70					75					80
Ala	Ser	Ile	Ile	Thr	Gln	Val	Lys	Thr	Ile	Ser	Tyr	Asn	Asn	Cys	Phe
				85					90					95	
Ala	Gln	Leu	Phe	Phe	Phe	Ile	Phe	Met	Gly	Val	Thr	Glu	Phe	Phe	Leu
			100					105					110		
Leu	Thr	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Thr	Leu	Ile	Met	Asn	Gln	Lys	Val	Cys	Thr	Leu	Leu	Val	Leu
	130					135					140				
Thr	Ser	Trp	Leu	Ala	Gly	Phe	Leu	Thr	Ile	Phe	Pro	Pro	Leu	Met	Leu
145					150					155					160
Val	Leu	Lys	Leu	Asp	Phe	Cys	Ala	Ser	Asn	Val	Ile	Asp	His	Phe	Cys
			165						170					175	
Cys	Asp	Tyr	Phe	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Ser	Asp	Thr	Trp	Leu
			180					185					190		
Leu	Glu	Val	Ile	Gly	Phe	Tyr	Val	Ala	Leu	Val	Thr	Leu	Leu	Phe	Thr
	195						200					205			
Leu	Ala	Leu	Val	Ile	Leu	Ser	Tyr	Met	Tyr	Ile	Phe	Arg	Thr	Ile	Leu
	210					215					220				
Arg	Ile	Pro	Ser	Ala	Asn	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Met	Ile	Val	Ile	Ser	Met	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Ile
			245						250					255	
Tyr	Val	Lys	Pro	Ser	Ala	Asn	Glu	Arg	Ala	Ser	Leu	Thr	Lys	Thr	Val
		260					265						270		
Ala	Ile	Leu	Ser	Thr	Ser	Val	Ala	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr
	275						280					285			
Thr	Leu	Arg	Asn	Gln	Gln	Val	Lys	Gln	Ala	Phe	Lys	Asp	Leu	Ile	His
	290					295					300				
Lys	Val	Val	Phe												
305															

<210> 1883
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1883

Met	Lys	Asn	Gln	Ser	Val	Glu	Ile	Val	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Asp	Asp	Pro	Gln	Leu	Gln	Ile	Leu	Ile	Phe	Leu	Phe	Met	Phe	Phe	Asn
			20					25					30		

Tyr	Ile	Leu	Ser	Leu	Met	Gly	Asn	Leu	Val	Ile	Ile	Phe	Leu	Thr	Leu
	35						40					45			
Leu	Asp	Leu	Arg	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50					55					60				
Ser	Phe	Leu	Glu	Ile	Ala	Phe	Thr	Thr	Ala	Cys	Ile	Pro	Arg	Phe	Leu
65					70					75					80
Met	Ser	Ile	Leu	Thr	Gly	Asp	Lys	Thr	Ile	Thr	Tyr	Asn	Ala	Cys	Val
			85						90					95	
Ala	Gln	Leu	Phe	Phe	Phe	Phe	Leu	Leu	Leu	Ile	Thr	Glu	Phe	Tyr	Leu
		100						105					110		
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg	Pro	Leu
	115						120					125			
His	Tyr	Pro	Ile	Ile	Met	Asn	Ser	Lys	Val	Cys	His	Ile	Leu	Val	Leu
	130					135					140				
Ser	Ser	Trp	Met	Thr	Gly	Phe	Leu	Ser	Ile	Phe	Pro	Pro	Leu	Met	Leu
145					150					155					160
Gly	Leu	Lys	Leu	Glu	Phe	Cys	Ala	Ser	Lys	Thr	Val	Asp	His	Phe	Leu
				165					170					175	
Cys	Asp	Thr	Ser	Pro	Val	Leu	Gln	Leu	Ser	Cys	Thr	Asp	Thr	Arg	Phe
		180						185					190		
Ile	Glu	Trp	Met	Ala	Phe	Val	Ile	Ala	Ile	Met	Thr	Leu	Ile	Ile	Thr
	195						200					205			
Leu	Ile	Leu	Val	Ile	Leu	Ser	Tyr	Thr	Leu	Ile	Ile	Lys	Thr	Ile	Leu
	210					215					220				
Lys	Phe	Pro	Ser	Ala	Gln	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Met	Val	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Met
			245						250					255	
Tyr	Ile	Lys	Thr	Ser	Ala	Lys	Glu	Arg	Val	Ser	Leu	Asn	Lys	Gly	Val
		260						265					270		
Ala	Val	Leu	Asn	Thr	Ser	Val	Ala	Pro	Leu	Leu	Asn	Pro	Phe	Ile	Tyr
	275						280					285			
Thr	Leu	Arg	Asn	Gln	Gln	Val	Lys	Asp	Ala	Phe	Lys	Gln	Val	Leu	Gln
	290					295					300				
Arg	Leu	Cys	His	Tyr	Gln	Thr	Val	Asn							
305					310										

<210> 1884

<211> 319

<212> PRT

<213> Mus musculus

<400> 1884

Met	Lys	Asn	Gln	Ser	Leu	Lys	Ile	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Asp	Asp	Pro	Gln	Leu	Gln	Ile	Pro	Ile	Phe	Leu	Phe	Leu	Phe	Phe	Asn
		20						25					30		
Tyr	Ile	Leu	Ser	Leu	Met	Gly	Asn	Tyr	Met	Ile	Ile	Phe	Leu	Thr	Leu
	35					40						45			
Leu	Asp	Pro	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50					55					60				
Ser	Phe	Leu	Glu	Ile	Ala	Phe	Thr	Thr	Val	Cys	Ile	Pro	Arg	Phe	Leu
65					70					75					80
Ile	Ser	Ile	Leu	Ser	Gly	Asp	Arg	Thr	Ile	Ser	Tyr	Asn	Ala	Cys	Ala
			85						90					95	
Ala	Gln	Leu	Phe	Phe	Phe	Phe	Leu	Leu	Gly	Ser	Thr	Glu	Phe	Tyr	Leu

Asp	Phe	Phe	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Ser	Asp	Thr	Leu	Phe	Leu
			180					185					190		
Glu	Val	Ile	Gly	Phe	Tyr	Val	Ala	Leu	Val	Ala	Leu	Leu	Phe	Thr	Leu
		195					200					205			
Ala	Leu	Val	Ile	Leu	Ser	Tyr	Met	Tyr	Ile	Ile	Arg	Thr	Ile	Leu	Arg
	210					215					220				
Ile	Pro	Ser	Thr	Ser	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser
225					230					235					240
His	Met	Ile	Val	Ile	Ser	Leu	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met	Tyr
				245					250					255	
Ala	Asn	Pro	Ser	Ala	Lys	Glu	Lys	Ala	Ser	Leu	Thr	Lys	Gly	Val	Ala
			260					265					270		
Ile	Leu	Asn	Thr	Ser	Val	Val	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr	Thr
	275						280					285			
Leu	Arg	Asn	Gln	Gln	Val	Lys	Gln	Ala	Phe	Lys	Gly	Ala	Val	His	Lys
	290					295					300				
Leu	Val	Phe	Ser	Val	Ser	Lys									
305						310									

<210> 1886

<211> 312

<212> PRT

<213> Mus musculus

<400> 1886

Met	Lys	Asn	His	Thr	Arg	Val	Thr	Val	Phe	Ile	Ile	Ala	Gly	Leu	Thr
1				5					10					15	
Asp	Asp	Pro	Gln	Trp	Lys	Val	Val	Leu	Phe	Ile	Phe	Leu	Leu	Leu	Thr
			20					25				30			
Tyr	Leu	Leu	Ser	Ile	Thr	Gly	Asn	Leu	Ala	Ile	Ile	Thr	Leu	Thr	Leu
	35					40						45			
Val	Asp	Thr	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Arg	Asn	Phe
	50				55					60					
Ser	Phe	Leu	Glu	Phe	Ser	Tyr	Thr	Thr	Thr	Cys	Ile	Pro	Lys	Leu	Leu
65				70					75					80	
Val	Thr	Met	Ala	Thr	Gly	Asp	Lys	Thr	Ile	Ser	Tyr	Gly	Asn	Cys	Leu
			85					90					95		
Thr	Gln	Val	Phe	Phe	Ala	Phe	Leu	Phe	Gly	Ala	Ser	Glu	Phe	Tyr	Leu
		100					105					110			
Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
	115					120						125			
His	Tyr	Met	Thr	Ile	Met	Asn	Asn	Lys	Val	Cys	Val	Gln	Leu	Val	Leu
	130				135					140					
Ser	Cys	Trp	Leu	Ala	Gly	Phe	Phe	Val	Ile	Phe	Pro	Pro	Leu	Leu	Leu
145				150					155					160	
Gly	Leu	Asn	Leu	Asp	Phe	Cys	Ala	Ser	Asn	Ile	Val	Asp	His	Phe	Tyr
			165					170					175		
Cys	Asp	Thr	Thr	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Thr	Asp	Thr	Gln	Leu
		180					185					190			
Leu	Glu	Thr	Met	Gly	Phe	Val	Ser	Ala	Leu	Val	Thr	Leu	Leu	Leu	Thr
	195					200					205				
Leu	Val	Met	Val	Ile	Val	Ser	Tyr	Ile	Tyr	Ile	Ala	Ile	Thr	Ile	Leu
	210					215					220				
Lys	Ile	Pro	Ser	Ala	Ser	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235				240	
Ser	His	Met	Ile	Val	Ile	Ser	Leu	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met

<210> 1888
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1888
 Met Arg Asn His Thr Ile Thr Thr Phe Ile Leu Leu Gly Leu Thr Asp
 1 5 10 15
 Asp Pro Gln Leu Lys Thr Leu Ile Phe Ile Phe Leu Phe Leu Ser Tyr
 20 25 30
 Val Leu Ser Met Thr Gly Asn Leu Thr Ile Ile Ser Leu Thr Phe Ile
 35 40 45
 Asp Pro His Leu Lys Thr Ala Met Tyr Phe Phe Leu Gln Asn Phe Ser
 50 55 60
 Phe Leu Glu Ile Ser Phe Thr Thr Ala Cys Ile Pro Arg Tyr Leu Tyr
 65 70 75 80
 Asn Ile Ser Thr Gly Asp Lys Thr Ile Thr Tyr Asn Asn Cys Ala Ile
 85 90 95
 Gln Ile Phe Cys Val Asp Leu Phe Gly Val Thr Glu Phe Phe Leu Leu
 100 105 110
 Ala Ile Met Ser Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu His
 115 120 125
 Tyr Ser Thr Ile Met Ser Ser Arg Ile Cys Thr Arg Leu Ile Leu Cys
 130 135 140
 Cys Trp Ala Ala Gly Leu Phe Val Ile Leu Pro Pro Leu Ser Leu Gly
 145 150 155 160
 Leu Lys Leu Glu Phe Cys Asp Ser Asn Val Ile Asp His Phe Val Cys
 165 170 175
 Asp Ala Asn Pro Leu Leu Lys Ile Ser Cys Thr Glu Thr Trp Leu Ile
 180 185 190
 Glu Gln Ile Val Ile Val Cys Ala Val Phe Thr Phe Ile Met Thr Leu
 195 200 205
 Val Cys Val Ser Leu Ser Tyr Ile Tyr Ile Ile Arg Thr Ile Leu Arg
 210 215 220
 Phe Pro Ser Ala Gln Gln Arg Lys Lys Ala Phe Ser Thr Cys Ser Ser
 225 230 235 240
 His Met Ile Val Val Ser Ile Thr Tyr Gly Ser Cys Ile Phe Ile Tyr
 245 250 255
 Ile Lys Pro Ser Ala Lys Asp Ser Val Thr Ile Asn Lys Gly Val Thr
 260 265 270
 Ile Leu Thr Thr Ser Ile Ala Pro Met Leu Asn Pro Phe Ile Tyr Thr
 275 280 285
 Leu Arg Asn Lys Gln Val Lys Gln Ala Phe Asn Asp Ser Val Lys Arg
 290 295 300
 Ile Val Leu Phe Phe Gln Lys
 305 310

<210> 1889
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1889
 Met Lys Asn Asn Thr Ile Thr Thr Phe Ile Leu Leu Gly Leu Thr Asp

1				5				10				15				
Asp	Pro	Gln	Leu	Gln	Ile	Pro	Ile	Phe	Val	Phe	Leu	Phe	Phe	Ala	Tyr	
			20					25					30			
Met	Leu	Ser	Ile	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Ser	Leu	Thr	Ile	Leu	
		35					40					45				
Asp	Ser	His	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gln	Asn	Phe	Ser	
	50					55					60					
Ile	Leu	Glu	Ile	Ser	Phe	Thr	Ser	Ala	Cys	Ile	Pro	Arg	Tyr	Leu	Tyr	
65					70					75					80	
Asn	Ile	Ala	Thr	Gly	Asp	Arg	Ser	Ile	Thr	Tyr	Asn	Val	Cys	Val	Ile	
				85					90					95		
Gln	Val	Phe	Phe	Thr	Asp	Val	Phe	Gly	Val	Ile	Glu	Phe	Phe	Leu	Leu	
			100					105					110			
Ala	Ile	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His	
		115					120					125				
Tyr	Val	Thr	Ile	Met	Ser	Ser	Lys	Val	Cys	Gln	Thr	Leu	Val	Leu	Cys	
	130					135					140					
Cys	Trp	Ser	Ala	Gly	Leu	Leu	Ile	Ile	Leu	Pro	Pro	Leu	Thr	Leu	Phe	
145					150					155					160	
Leu	Asn	Leu	Arg	Phe	Cys	Asp	Ser	Asn	Val	Ile	Asp	Tyr	Phe	Phe	Cys	
			165					170						175		
Asp	Ala	Ser	Pro	Ile	Leu	Lys	Ile	Ser	Cys	Ser	Asp	Thr	Trp	Leu	Ile	
		180						185					190			
Glu	Gln	Leu	Val	Ile	Val	Cys	Ala	Val	Leu	Thr	Phe	Ile	Leu	Thr	Leu	
		195					200					205				
Val	Cys	Val	Thr	Leu	Ser	Tyr	Val	His	Ile	Ile	Lys	Thr	Ile	Leu	Arg	
	210					215					220					
Phe	Pro	Ser	Ala	Gln	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser	
225					230					235					240	
His	Met	Ile	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Ile	Tyr	
			245						250					255		
Ile	Asn	Pro	Ser	Ala	Lys	Glu	Ser	Val	Ala	Ile	Asn	Lys	Gly	Val	Ala	
			260					265					270			
Val	Leu	Met	Thr	Ser	Ile	Ala	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr	Thr	
		275					280					285				
Leu	Arg	Asn	Lys	Gln	Val	Arg	Gln	Ala	Phe	Ser	Asp	Ser	Phe	Lys	Lys	
	290					295					300					
Ile	Ala	Ile	Ile	Ser	Met	Lys	Lys	Glu	Asn	Val	Gln	Ile				
305					310					315						

<210> 1890

<211> 312

<212> PRT

<213> Mus musculus

<400> 1890

Met	Arg	Asn	His	Ser	Met	Val	Thr	Glu	Phe	Leu	Leu	Ser	Gly	Ile	Ser	
1				5				10					15			
Asp	Thr	Pro	Glu	Val	Gln	Val	Val	Ile	Phe	Ile	Leu	Leu	Phe	Ile	Ala	
			20					25					30			
Tyr	Ile	Leu	Ser	Val	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Thr	Leu	Thr	Leu	
		35					40					45				
Leu	Asp	Ser	Gln	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gln	Asn	Phe	
	50					55					60					
Ser	Phe	Leu	Glu	Ile	Ile	Phe	Thr	Ser	Val	Ser	Val	Pro	Arg	Phe	Leu	
65					70					75					80	

Gly	Ser	Ile	Ile	Thr	Glu	Val	Lys	Thr	Ile	Ser	Tyr	Asn	Asn	Cys	Leu
				85					90					95	
Thr	Gln	Leu	Tyr	Phe	Phe	Leu	Ser	Leu	Gly	Val	Ser	Glu	Phe	Phe	Leu
			100					105					110		
Leu	Thr	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115				120						125			
His	Tyr	Val	Ile	Ile	Met	Asn	Gln	Lys	Val	Cys	Thr	Leu	Leu	Val	Leu
	130					135					140				
Thr	Ser	Trp	Leu	Ile	Gly	Phe	Leu	Ser	Ile	Phe	Pro	Leu	Ile	Met	Leu
145					150					155					160
Ile	His	Lys	Leu	Asp	Phe	Cys	Ala	Ser	Asn	Thr	Ile	Asp	His	Phe	Cys
				165					170					175	
Cys	Asp	Tyr	Phe	Pro	Ile	Leu	Gln	Leu	Ser	Cys	Ser	Asp	Thr	Arg	Leu
			180					185					190		
Leu	Glu	Ala	Phe	Gly	Phe	Tyr	Cys	Ala	Ser	Ile	Thr	Leu	Leu	Phe	Thr
		195					200					205			
Leu	Ala	Leu	Val	Ile	Leu	Ser	Tyr	Ile	Cys	Ile	Ile	Asn	Thr	Ile	Leu
	210					215					220				
Arg	Phe	Pro	Ser	Ala	Ser	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Met	Ile	Val	Ile	Ser	Ile	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met
				245					250					255	
Tyr	Val	Lys	Pro	Ser	Ala	Asn	Glu	Arg	Ala	Ser	Leu	Thr	Lys	Gly	Val
			260					265					270		
Ala	Val	Leu	Asn	Thr	Ser	Ile	Ala	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr
		275					280					285			
Thr	Leu	Arg	Asn	Gln	Gln	Val	Lys	Gln	Ala	Phe	Lys	Asp	Phe	Ile	Asn
	290					295					300				
Lys	Val	Met	Phe	Asn	Arg	Asn	Lys								
305						310									

<210> 1891
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1891

Met	Arg	Asn	His	Ser	Met	Val	Thr	Glu	Phe	Val	Leu	Leu	Gly	Ile	Ser
1				5					10					15	
Asp	Thr	Pro	Glu	Val	Gln	Val	Val	Ile	Phe	Ile	Leu	Leu	Phe	Ile	Ala
			20					25					30		
Tyr	Ile	Leu	Ser	Val	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Thr	Leu	Thr	Leu
	35					40						45			
Leu	Asp	Ser	Gln	Leu	Lys	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gln	Asn	Phe
	50					55					60				
Ser	Phe	Leu	Glu	Ile	Ile	Phe	Thr	Ser	Val	Ser	Ile	Pro	Arg	Phe	Leu
65					70				75						80
Glu	Ser	Ile	Ile	Thr	Lys	Val	Lys	Thr	Ile	Ser	Tyr	Asn	Asn	Cys	Leu
				85				90						95	
Thr	Gln	Leu	Tyr	Phe	Phe	Leu	Ser	Leu	Gly	Val	Ser	Glu	Phe	Phe	Leu
			100					105					110		
Leu	Thr	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115				120						125			
His	Tyr	Val	Ile	Ile	Met	Asn	Gln	Lys	Val	Cys	Thr	Leu	Leu	Val	Leu
	130					135					140				
Thr	Ser	Trp	Leu	Ile	Gly	Phe	Leu	Ser	Ile	Phe	Pro	Leu	Ile	Met	Leu

145		150		155		160									
Ile	His	Lys	Leu	Asp	Phe	Cys	Ala	Ser	Asn	Thr	Ile	Asp	His	Phe	Cys
		165		170		175									
Cys	Asp	Tyr	Phe	Pro	Ile	Leu	Gln	Leu	Ser	Cys	Ser	Asp	Thr	Arg	Leu
		180		185		190									
Leu	Glu	Ala	Phe	Gly	Leu	Tyr	Cys	Ala	Ser	Ile	Thr	Leu	Leu	Phe	Thr
	195			200		205									
Leu	Ala	Leu	Val	Ile	Leu	Ser	Tyr	Ile	Cys	Ile	Ile	Asn	Thr	Ile	Leu
	210			215		220									
Arg	Phe	Pro	Ser	Ala	Ser	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225				230		235									240
Ser	His	Met	Ile	Val	Ile	Ser	Ile	Ser	Tyr	Gly	Ser	Cys	Ile	Phe	Met
		245		250		255									
Tyr	Val	Lys	Pro	Ser	Ala	Asn	Glu	Arg	Ala	Ser	Leu	Thr	Lys	Gly	Val
	260			265		270									
Ala	Val	Leu	Asn	Thr	Ser	Ile	Ala	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr
	275			280		285									
Thr	Leu	Arg	Asn	Gln	Gln	Val	Lys	Gln	Ala	Phe	Lys	Asp	Leu	Ile	Asn
	290			295		300									
Lys	Leu	Met	Phe	Asn	Arg	Asn	Lys								
305				310											

<210> 1892
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1892

Met	Arg	Asn	His	Thr	Val	Thr	Thr	Phe	Ile	Leu	Leu	Gly	Leu	Thr	Asp
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Asp	Pro	Gln	Leu	Lys	Thr	Leu	Ile	Phe	Ile	Phe	Leu	Phe	Leu	Ser	Tyr
		20						25					30		
Met	Leu	Ser	Met	Thr	Gly	Asn	Leu	Thr	Ile	Ile	Ser	Leu	Thr	Phe	Ile
	35					40						45			
Asp	Ser	His	Leu	Lys	Thr	Ala	Met	Tyr	Phe	Phe	Leu	Gln	Asn	Phe	Ser
	50					55					60				
Phe	Leu	Glu	Ile	Ser	Phe	Thr	Thr	Ala	Cys	Ile	Pro	Arg	Tyr	Leu	Tyr
65					70					75				80	
Asn	Ile	Ser	Thr	Gly	Asp	Lys	Thr	Ile	Thr	Tyr	Asn	Asn	Cys	Val	Ile
			85					90						95	
Gln	Ile	Phe	Cys	Thr	Asp	Leu	Phe	Gly	Val	Thr	Glu	Phe	Phe	Leu	Leu
		100						105					110		
Ala	Ile	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His
	115						120					125			
Tyr	Ser	Thr	Ile	Met	Ser	Ser	Arg	Ile	Cys	Ala	Arg	Leu	Ile	Leu	Ser
	130					135					140				
Cys	Trp	Ala	Ala	Gly	Leu	Phe	Val	Ile	Leu	Pro	Pro	Leu	Ser	Leu	Gly
145					150					155					160
Leu	Lys	Leu	Lys	Phe	Cys	Asp	Ser	Asn	Val	Ile	Asp	His	Phe	Val	Cys
			165					170						175	
Asp	Ala	Asn	Pro	Leu	Leu	Lys	Ile	Ser	Cys	Thr	Glu	Thr	Trp	Leu	Ile
		180					185						190		
Glu	Gln	Ile	Val	Ile	Val	Ser	Ala	Val	Leu	Thr	Phe	Ile	Thr	Thr	Leu
	195					200						205			
Leu	Cys	Val	Ser	Leu	Ser	Tyr	Ile	Tyr	Ile	Ile	Arg	Thr	Ile	Leu	Arg
	210					215					220				

Phe	Pro	Ser	Ala	Gln	Gln	Arg	Lys	Lys	Ala	Phe	Ser	Thr	Cys	Ser	Ser
225					230					235					240
His	Met	Ile	Val	Val	Ser	Ile	Thr	Tyr	Gly	Ser	Cys	Ile	Phe	Ile	Tyr
				245					250					255	
Ile	Lys	Pro	Ser	Ala	Lys	Asp	Ser	Val	Thr	Ile	Asn	Lys	Gly	Val	Met
			260					265					270		
Val	Leu	Thr	Thr	Ser	Ile	Ala	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr	Thr
		275					280					285			
Leu	Arg	Asn	Lys	Gln	Val	Lys	Gln	Ala	Phe	Asn	Asp	Ser	Val	Lys	Arg
	290					295					300				
Ile	Ala	Leu	Phe	Phe	Gln	Lys									
305					310										

<210> 1893
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1893

Met	Ser	Val	Ala	Asn	Glu	Ser	Ile	Ser	Arg	Glu	Phe	Ile	Leu	Leu	Gly
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Phe	Ser	Asp	Arg	Pro	Trp	Leu	Glu	Leu	Pro	Leu	Phe	Val	Val	Phe	Leu
		20						25					30		
Val	Ser	Tyr	Ile	Leu	Thr	Ile	Phe	Gly	Asn	Met	Met	Ile	Ile	Leu	Val
		35				40						45			
Ser	Arg	Leu	Asp	Ser	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Thr
	50				55						60				
Asn	Leu	Ser	Leu	Leu	Asp	Leu	Cys	Tyr	Thr	Thr	Ser	Thr	Val	Pro	Gln
65				70					75					80	
Met	Leu	Ile	Asn	Ile	Cys	Ser	Thr	Arg	Lys	Val	Ile	Ser	Tyr	Gly	Gly
			85					90						95	
Cys	Val	Ala	Gln	Leu	Phe	Ile	Phe	Leu	Ala	Leu	Gly	Cys	Thr	Glu	Cys
		100					105						110		
Phe	Leu	Leu	Gly	Val	Met	Ser	Phe	Asp	Arg	Phe	Val	Ala	Ile	Cys	Arg
	115				120							125			
Pro	Leu	His	Tyr	Ser	Val	Ile	Met	His	Gln	Arg	Arg	Cys	Leu	Gln	Leu
	130				135						140				
Ala	Ala	Ala	Cys	Trp	Ile	Ser	Gly	Phe	Ser	Asn	Ser	Val	Leu	Gln	Ser
145				150					155					160	
Thr	Trp	Thr	Leu	Gln	Met	Pro	Leu	Cys	Gly	His	Asn	Arg	Val	Asp	His
			165					170						175	
Phe	Leu	Cys	Glu	Ile	Pro	Ala	Leu	Leu	Lys	Leu	Ser	Cys	Val	Asp	Thr
		180					185						190		
Thr	Ala	Ile	Glu	Ser	Glu	Gln	Phe	Phe	Ile	Ser	Val	Val	Phe	Leu	Leu
	195					200						205			
Ile	Pro	Val	Thr	Leu	Ile	Leu	Ile	Ser	Tyr	Ala	Phe	Ile	Val	Gln	Ala
	210				215					220					
Val	Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Gly	Thr
225				230					235					240	
Cys	Gly	Ser	His	Leu	Ile	Val	Val	Val	Leu	Phe	Tyr	Gly	Thr	Ala	Ile
			245					250					255		
Tyr	Met	Tyr	Leu	Gln	Pro	Pro	Ser	Pro	Thr	Ser	Lys	Asp	Arg	Gly	Lys
		260					265						270		
Met	Val	Ser	Leu	Phe	Tyr	Gly	Ile	Ile	Thr	Pro	Met	Leu	Asn	Pro	Leu
		275				280						285			
Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys	Gly	Ala	Phe	Lys	Arg	Leu

290 295 300
Val Thr Arg Ile Ile Leu Ser Arg Lys
305 310

<210> 1894
<211> 313
<212> PRT
<213> Mus musculus

<400> 1894
Met Ser Trp Ala Asn Glu Ser Ile Thr Gly Glu Phe Val Leu Leu Gly
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Phe Ser Asp Gln Pro Trp Leu Glu Phe Pro Leu Phe Val Val Phe Leu
20 25 30
Thr Ser Tyr Ile Val Thr Ile Phe Gly Asn Leu Asn Ile Ile Leu Val
35 40 45
Ser His Leu Asp Pro Lys Leu His Thr Pro Met Tyr Phe Phe Leu Thr
50 55 60
Asn Leu Ser Val Ile Asp Leu Cys Tyr Ile Thr Cys Thr Val Pro Gln
65 70 75 80
Met Leu Val Asn Leu Arg Ser Ile Arg Lys Val Ile Ser Phe Gly Gly
85 90 95
Cys Val Val Gln Leu Phe Met Phe Leu Ala Leu Gly Ala Thr Glu Cys
100 105 110
Val Leu Leu Pro Val Met Ser Phe Asp Arg Phe Val Ala Ile Cys Arg
115 120 125
Pro Leu His Tyr Ser Val Ile Met His Gln Arg Leu Cys Leu Gln Leu
130 135 140
Ala Ala Val Ser Trp Ile Ile Gly Phe Gly Asn Ser Val Trp Leu Ser
145 150 155 160
Ile Leu Thr Leu Gln Leu Pro Arg Cys Gly His Tyr Val Ile Asp His
165 170 175
Phe Leu Cys Glu Val Pro Ala Leu Leu Lys Leu Ser Cys Val Asp Val
180 185 190
Thr Ala Asn Glu Ala Glu Leu Phe Phe Val Ser Val Phe Phe His Leu
195 200 205
Thr Pro Leu Ser Leu Ile Leu Thr Ser Tyr Ala Phe Ile Ala Arg Ala
210 215 220
Ile Leu Lys Ile Gln Ser Ala Glu Gly Arg Gln Lys Ala Phe Gly Thr
225 230 235 240
Cys Ser Ser His Leu Ile Val Val Ser Leu Phe Tyr Gly Thr Ala Leu
245 250 255
Ser Val Tyr Leu Leu Pro Pro Ser Pro His Ser Lys Asn Arg Arg Lys
260 265 270
Met Val Pro Leu Phe Tyr Gly Ile Ile Ala Pro Met Leu Asn Pro Leu
275 280 285
Ile Tyr Thr Leu Arg Asn Lys Glu Val Lys Asp Ala Phe Lys Arg Leu
290 295 300
Ile Lys Arg Val Phe Leu Ser Lys Asn
305 310

<210> 1895
<211> 317
<212> PRT
<213> Mus musculus

<400> 1895

Met	Trp	Leu	Gln	Val	Met	Glu	Lys	Glu	Asn	Thr	Ser	Ser	Phe	Glu	Gly
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Phe	Ile	Leu	Val	Gly	Phe	Ser	Asp	Arg	Pro	His	Leu	Glu	Leu	Ile	Leu
			20					25					30		
Phe	Val	Val	Val	Leu	Ser	Phe	Tyr	Leu	Leu	Thr	Leu	Leu	Gly	Asn	Met
			35				40					45			
Thr	Ile	Ile	Leu	Leu	Ser	Ala	Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met
	50					55					60				
Tyr	Phe	Phe	Leu	Ala	Asn	Leu	Ser	Phe	Leu	Asp	Met	Cys	Phe	Thr	Thr
65					70					75					80
Gly	Ser	Ile	Pro	Gln	Met	Leu	Tyr	Asn	Leu	Trp	Gly	Pro	Asp	Lys	Thr
				85					90					95	
Ile	Ser	Tyr	Val	Gly	Cys	Ala	Ile	Gln	Leu	Tyr	Phe	Val	Leu	Ala	Leu
			100					105					110		
Gly	Gly	Val	Glu	Cys	Val	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr
		115						120				125			
Ala	Ala	Val	Cys	Lys	Pro	Leu	His	Tyr	Thr	Val	Ile	Met	His	Pro	Arg
	130					135					140				
Leu	Cys	Gly	Gln	Leu	Ala	Ser	Val	Ala	Trp	Leu	Ser	Gly	Phe	Gly	Asn
145					150					155					160
Ser	Leu	Ile	Met	Ala	Pro	Gln	Thr	Leu	Met	Leu	Pro	Arg	Cys	Gly	His
			165						170					175	
Arg	Arg	Val	Asp	His	Phe	Leu	Cys	Glu	Met	Pro	Ala	Leu	Ile	Gly	Met
		180						185					190		
Ala	Cys	Val	Asp	Thr	Met	Ala	Leu	Glu	Ala	Leu	Ala	Phe	Ala	Leu	Ala
		195					200					205			
Ile	Phe	Ile	Ile	Leu	Ala	Pro	Leu	Ile	Leu	Ile	Leu	Ile	Ser	Tyr	Gly
	210					215					220				
Tyr	Ile	Ala	Arg	Ala	Val	Phe	Arg	Ile	Lys	Ser	Ala	Ala	Gly	Arg	Arg
225					230					235					240
Lys	Ala	Phe	Asn	Thr	Cys	Ser	Ser	His	Leu	Ile	Val	Val	Ser	Leu	Phe
			245						250					255	
Tyr	Gly	Thr	Ile	Ile	Tyr	Met	Tyr	Leu	Gln	Pro	Ala	Asn	Thr	Tyr	Ser
		260						265					270		
Gln	Asp	Gln	Gly	Lys	Phe	Leu	Thr	Leu	Phe	Tyr	Thr	Ile	Val	Thr	Pro
		275					280						285		
Ser	Val	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu
	290					295					300				
Ala	Val	Lys	Lys	Val	Leu	Gly	Lys	Gly	Ser	Ile	Glu	Val			
305					310					315					

<210> 1896

<211> 314

<212> PRT

<213> Mus musculus

<400> 1896

Met	His	Ala	Leu	Thr	Val	Asn	Ala	Met	Ile	Asn	Gln	Ser	Cys	Gln	Glu
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Gln	Phe	Ile	Leu	Leu	Gly	Phe	Ser	Asp	Arg	Pro	Arg	Leu	Glu	Ser	Ile
			20					25					30		
Leu	Phe	Val	Phe	Val	Leu	Ile	Phe	Tyr	Leu	Val	Thr	Leu	Val	Gly	Asn
		35					40					45			
Ile	Ile	Ile	Ile	Leu	Val	Ser	Tyr	Leu	Asp	Pro	Cys	Leu	His	Thr	Pro

50		55		60	
Met	Tyr	Phe	Phe	Leu	Thr
65					70
Thr	Ser	Ser	Ile	Pro	Gln
					85
Ser	Ile	Ser	Tyr	Ile	Gly
					100
Leu	Gly	Gly	Thr	Glu	Cys
					115
Phe	Thr	Ala	Ile	Cys	Lys
					130
Gln	Leu	Cys	Trp	Thr	Leu
145					150
Asn	Ser	Leu	Val	Met	Ser
					165
Arg	Cys	Gln	Val	Arg	His
					180
Ile	Ala	Cys	Val	Asp	Thr
					195
Ser	Val	Ile	Ile	Val	Leu
					210
Ser	Tyr	Ile	Ala	Leu	Ala
225					230
Arg	Lys	Ala	Phe	Asn	Thr
					245
Phe	Tyr	Gly	Asn	Ile	Ile
					260
Ser	Gln	Asp	Gln	Gly	Lys
					275
Pro	Met	Leu	Asn	Pro	Val
					290
Gly	Ala	Leu	Lys	Arg	Leu
305					310

<210> 1897
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1897	
Met	Gly
1	
Leu	Leu
Thr	Val
Ile	Ala
Gln	Leu
65	
Val	Val
Cys	Ala
Val	Leu

Pro	Leu	His	Tyr	Gln	Val	Leu	Met	Arg	Asn	Gln	Val	Cys	Leu	Val	Met
130						135					140				
Val	Gly	Ala	Ser	Trp	Phe	Ser	Gly	Ala	Leu	Val	Ala	Ser	Ile	Gln	Thr
145					150					155					160
Ser	Ile	Thr	Leu	Gln	Phe	Pro	Tyr	Cys	Ala	Ser	His	Thr	Val	Asp	His
				165					170					175	
Phe	Phe	Cys	Glu	Leu	Pro	Ala	Leu	Leu	Lys	Leu	Ser	Cys	Ala	Asp	Thr
			180					185					190		
Ser	Ala	Tyr	Glu	Leu	Ala	Leu	Ser	Ile	Ser	Gly	Val	Leu	Ile	Leu	Leu
		195					200					205			
Leu	Pro	Leu	Ser	Leu	Ile	Phe	Ile	Ser	Tyr	Gly	His	Val	Leu	Gly	Ala
	210					215					220				
Val	Leu	Leu	Met	Arg	Ser	Ala	Glu	Ala	Arg	His	Lys	Ala	Phe	Thr	Thr
225					230					235					240
Cys	Ser	Ser	His	Val	Thr	Val	Val	Gly	Leu	Phe	Phe	Gly	Ala	Ala	Val
			245						250					255	
Phe	Ile	Tyr	Met	Val	Pro	Gly	Ser	Tyr	His	Ser	Pro	Lys	Gln	Asp	Asn
			260					265					270		
Val	Val	Ser	Leu	Phe	Tyr	Ser	Leu	Ile	Thr	Pro	Thr	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Glu	Val	Arg	Met	Ser	Leu	Gly	Gln	Gly
	290				295						300				
Tyr	Gly	Gln	Val												
305															

<210> 1898
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1898

Met	Lys	Thr	Pro	Ser	Asn	Ser	Thr	Glu	Ala	Asp	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Phe	Ser	His	Thr	His	Ala	His	Ser	Leu	Leu	Leu	Ser	Val	Val	Leu
			20					25					30		
Val	Ile	Phe	Thr	Ala	Ser	Leu	Met	Gly	Asn	Thr	Leu	Met	Ile	Leu	Leu
		35					40					45			
Ile	Cys	Arg	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Leu	Leu	Ser
	50					55					60				
Gln	Leu	Ser	Leu	Met	Asp	Met	Met	Leu	Val	Ser	Thr	Ile	Val	Pro	Lys
65				70					75						80
Met	Ala	Ala	Asn	Tyr	Leu	Thr	Ser	Thr	Arg	Ser	Ile	Ser	Pro	Ala	Gly
			85						90					95	
Cys	Gly	Ser	Gln	Ile	Phe	Leu	Phe	Leu	Thr	Leu	Ala	Gly	Gly	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Phe
		115					120					125			
Pro	Leu	Arg	Tyr	His	Val	Leu	Met	Asn	Pro	Lys	Leu	Cys	Ala	Tyr	Leu
		130				135					140				
Thr	Val	Gly	Ser	Trp	Leu	Leu	Gly	Ala	Ala	Asp	Gly	Leu	Met	Gln	Ala
145					150					155					160
Gly	Thr	Ile	Leu	Ser	Phe	Pro	Phe	Cys	His	Ser	Arg	Thr	Ile	Asn	His
			165						170					175	
Phe	Phe	Cys	Glu	Ala	Pro	Ser	Leu	Val	Arg	Leu	Ala	Cys	Ala	Asp	Thr
			180					185					190		
Lys	Val	Phe	Glu	Phe	Phe	Met	Tyr	Ile	Cys	Cys	Ile	Leu	Met	Leu	Leu

	195		200		205										
Ile	Pro	Leu	Ser	Leu	Val	Leu	Ala	Ser	Tyr	Ser	Leu	Ile	Leu	Ala	Thr
	210					215					220				
Val	Leu	Arg	Met	Arg	Ser	Ser	Ala	Ala	Arg	Lys	Lys	Ala	Phe	Thr	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Ala	Val	Val	Gly	Leu	Phe	Tyr	Gly	Ala	Ile	Ile
			245						250					255	
Phe	Ile	Tyr	Met	Arg	Pro	Lys	Ser	His	Gln	Pro	Gly	Lys	Ser	Asp	Lys
			260					265					270		
Val	Val	Ser	Ala	Phe	Tyr	Thr	Ile	Phe	Thr	Pro	Val	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Val	Arg	Asn	Lys	Glu	Val	Lys	Gly	Ala	Leu	Arg	Lys	Trp
	290					295					300				
Leu	Gln	Lys	Thr	Val											
305															

<210> 1899
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1899

Met	Ser	Asn	His	Thr	Arg	Val	Thr	His	Phe	Ile	Leu	Arg	Gly	Phe	Ser
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Asp	Val	Pro	Gln	Leu	Arg	Leu	Val	Leu	Ile	Pro	Phe	Phe	Leu	Leu	Phe
			20					25					30		
Tyr	Thr	Phe	Gly	Ile	Leu	Gly	Asn	Phe	Ser	Ile	Ile	Thr	Ala	Val	Ile
		35					40					45			
Arg	Asp	Ser	Arg	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Lys	Asn	Leu
	50					55					60				
Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Thr	Ser	Ala	Thr	Ile	Pro	Lys	Ala	Val
65				70						75					80
Val	Ile	Ser	Leu	Thr	Gly	Ser	Gly	Val	Ile	Ser	Tyr	Gln	Glu	Cys	Val
			85					90					95		
Ala	Gln	Leu	Tyr	Met	Phe	Ile	Thr	Leu	Cys	Gly	Thr	Glu	Cys	Phe	Leu
		100						105					110		
Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Cys	Leu	Ala	Ile	Leu	Arg	Pro	Leu
	115						120					125			
Ile	Tyr	Gly	Thr	Ile	Met	Ser	His	Lys	Tyr	Cys	Ser	Ala	Leu	Val	Val
	130					135					140				
Thr	Ala	Trp	Val	Gly	Gly	Ala	Ile	Tyr	Ser	Ala	Phe	His	Thr	Phe	Asn
145				150					155						160
Thr	Phe	Ser	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Val	Val	Asp	His	Phe	Phe
			165					170					175		
Cys	Asp	Met	Pro	Pro	Val	Met	Arg	Leu	Ser	Cys	Thr	Asp	Tyr	His	Leu
		180						185					190		
Asn	Glu	Glu	Val	Gly	Phe	Ala	Val	Ile	Gly	Cys	Ile	Ile	Met	Ser	Ser
	195						200					205			
Phe	Ala	Leu	Thr	Val	Val	Ser	Tyr	Ile	Gly	Ile	Val	Ala	Thr	Val	Leu
	210					215					220				
Arg	Ile	Pro	Ser	Val	Glu	Gly	Arg	Trp	Lys	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ser	His	Leu	Thr	Thr	Val	Ile	Leu	Phe	Tyr	Gly	Thr	Gly	Ser	Phe	Val
			245						250					255	
Tyr	Leu	Arg	Pro	Ala	Ser	Gln	Tyr	Ser	Pro	Thr	Leu	Asp	Pro	Leu	Ala
			260					265					270		

Ser Ile Phe Tyr Ser Val Val Thr Pro Ser Leu Asn Pro Val Ile Tyr
275 280 285
Cys Leu Arg Asn Lys Asp Met Lys Phe Ala Leu Gln Lys Leu Tyr Cys
290 295 300
Gly Arg Lys Tyr
305

<210> 1900
<211> 308
<212> PRT
<213> Mus musculus

<400> 1900
Met Ser Asn His Thr Arg Val Thr His Phe Ile Leu Arg Gly Phe Ser
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Asp Val Pro Gln Leu Arg Leu Met Ala Ile Pro Val Phe Leu Leu Ile
20 25 30
Tyr Thr Phe Gly Leu Leu Gly Asn Leu Ser Ile Ile Thr Ala Val Thr
35 40 45
Arg Asp Ser Arg Leu His Ser Pro Met Tyr Phe Phe Leu Lys Asn Leu
50 55 60
Ser Phe Leu Asp Ile Cys Tyr Thr Ser Ala Thr Ile Pro Lys Ala Val
65 70 75 80
Val Ile Ser Leu Thr Gly Ser Gly Val Ile Ser Tyr Gln Glu Cys Ala
85 90 95
Ala Gln Leu Tyr Ile Phe Leu Thr Phe Ser Ser Ser Glu Cys Phe Leu
100 105 110
Leu Thr Ala Met Ala Tyr Asp Arg Cys Leu Ala Ile Leu Arg Pro Leu
115 120 125
Leu Tyr Gly Thr Ile Met Ser Gln Lys Tyr Cys Ser Ala Leu Val Val
130 135 140
Thr Ala Trp Val Gly Gly Ala Ile Tyr Ser Ala Phe His Thr Phe Asn
145 150 155 160
Thr Phe Ser Leu Pro Tyr Cys Gly Pro Asn Val Ile Asp His Phe Phe
165 170 175
Cys Asp Ile Pro Pro Val Met Arg Leu Ser Cys Thr Asp Tyr His Leu
180 185 190
Ser Glu Glu Val Gly Phe Ala Val Ser Ser Cys Ile Val Met Ser Ser
195 200 205
Phe Ala Leu Thr Val Val Ser Tyr Ile Gly Ile Val Ala Thr Val Leu
210 215 220
Arg Ile Pro Ser Val Glu Gly Arg Trp Lys Ala Phe Ser Thr Cys Ser
225 230 235 240
Ser His Leu Thr Thr Val Ile Leu Phe Tyr Gly Thr Gly Ser Phe Val
245 250 255
Tyr Leu Arg Pro Ala Ser Gln Tyr Ser Pro Thr Leu Gly Arg Leu Ala
260 265 270
Ser Ile Phe Tyr Ser Val Val Thr Pro Ser Leu Asn Pro Val Val Tyr
275 280 285
Cys Leu Arg Asn Lys Asp Met Lys Phe Ala Leu Gln Lys Leu Tyr Cys
290 295 300
Gly Arg Lys Tyr
305

<210> 1901

<211> 316
 <212> PRT
 <213> Mus musculus

<400> 1901

Met	Asn	Leu	Gly	Asn	Glu	Ser	Ala	Pro	Lys	Ile	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Phe	Ser	Ser	His	Pro	Trp	Leu	Glu	Met	Pro	Leu	Phe	Ile	Met	Val	Leu
			20					25					30		
Val	Ala	Tyr	Val	Cys	Thr	Val	Leu	Gly	Asn	Ile	Ser	Ile	Ile	Val	Val
		35					40					45			
Ser	Arg	Arg	Asp	Pro	Gln	Leu	Asp	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Phe	Thr	Thr	Thr	Thr	Ile	Pro	Gln
65					70					75					80
Leu	Leu	Arg	Asn	Leu	Trp	Gly	Pro	Asp	Lys	Ser	Ile	Ser	Tyr	Gly	Gly
			85						90					95	
Cys	Val	Thr	Gln	Phe	Tyr	Ile	Phe	His	Phe	Leu	Gly	Ala	Thr	Glu	Cys
			100					105					110		
Ile	Leu	Leu	Ala	Val	Met	Ser	Leu	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Arg	Tyr	Pro	Ala	Ile	Met	His	Gln	Gln	Leu	Cys	Ile	Leu	Leu
	130					135					140				
Val	Ser	Met	Ala	Trp	Leu	Ser	Gly	Leu	Ala	Asn	Ser	Leu	Leu	Gln	Ser
145					150					155					160
Thr	Leu	Thr	Val	Lys	Leu	Pro	Phe	Cys	Gly	Asn	Asn	Lys	Val	Asp	Asn
			165						170					175	
Phe	Leu	Cys	Glu	Val	Pro	Val	Met	Ile	Lys	Met	Ser	Cys	Ala	Asn	Thr
			180					185					190		
Ala	Phe	Asn	Ile	Ala	Met	Leu	Ser	Ile	Val	Gly	Thr	Phe	Tyr	Ser	Leu
		195					200					205			
Val	Pro	Leu	Ser	Leu	Ile	Leu	Ile	Ser	Tyr	Gly	Phe	Ile	Val	Ala	Thr
	210					215					220				
Val	Leu	Arg	Ile	Arg	Ser	Ser	Glu	Gly	Lys	Lys	Lys	Ala	Phe	Asn	Thr
225					230					235					240
Cys	Gly	Ser	His	Val	Val	Val	Val	Thr	Leu	Phe	Tyr	Gly	Pro	Val	Ile
			245						250					255	
Ser	Met	Tyr	Val	Gln	Pro	Ser	Ser	Ser	Asn	Ser	Gln	Asp	Lys	Asn	Lys
			260					265					270		
Leu	Leu	Ser	Leu	Phe	Tyr	Ser	Leu	Val	Thr	Pro	Met	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Met	Lys	Gly	Ala	Met	Lys	Arg	Leu
	290					295					300				
Leu	Val	Ser	Leu	Tyr	His	Lys	Gly	Ala	Glu	Gln	Thr				
305					310					315					

<210> 1902
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1902

Met	Glu	Ile	Asn	Asn	Lys	Ser	Ser	Glu	Thr	Asp	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Phe	Ser	Ser	Arg	Pro	Gln	Leu	Glu	His	Ile	Ile	Ser	Ala	Val	Val	Phe
			20					25					30		

Val	Phe	Tyr	Ile	Val	Thr	Leu	Val	Gly	Asn	Thr	Thr	Ile	Ile	Leu	Val
	35						40					45			
Ser	Tyr	Leu	Asp	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Asn	Leu	Ser	Phe	Val	Asp	Leu	Cys	Tyr	Thr	Thr	Ser	Ile	Val	Pro	Gln
65					70					75					80
Met	Leu	Val	Asn	Leu	Trp	Gly	Pro	Lys	Lys	Ser	Ile	Thr	Tyr	Gly	Gly
			85						90					95	
Cys	Val	Leu	Gln	Phe	Phe	Phe	Ala	Leu	Asp	Leu	Gly	Ala	Thr	Glu	Cys
			100					105					110		
Leu	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Gln
	115					120						125			
Pro	Leu	His	Tyr	Thr	Val	Ile	Met	His	Pro	Val	Leu	Cys	Gln	Lys	Met
	130					135					140				
Val	Leu	Ser	Ala	Trp	Leu	Gly	Gly	Leu	Gly	Ser	Ala	Leu	Ile	Leu	Cys
145					150					155					160
Ser	Leu	Thr	Leu	Lys	Leu	Pro	Arg	Cys	Gly	His	Arg	Glu	Val	Asp	Asn
				165					170					175	
Phe	Phe	Cys	Glu	Met	Pro	Ala	Leu	Ile	Lys	Met	Ala	Cys	Val	Tyr	Ser
			180					185					190		
Arg	Val	Ile	Glu	Ile	Val	Val	Phe	Thr	Leu	Gly	Val	Ile	Phe	Leu	Leu
	195						200					205			
Val	Pro	Leu	Ser	Leu	Ile	Leu	Ile	Ser	Tyr	Ala	Val	Ile	Thr	Gln	Ala
	210					215					220				
Val	Met	Lys	Ile	Lys	Ser	Ala	Thr	Arg	Trp	Arg	Lys	Val	Leu	Asn	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Thr	Val	Val	Thr	Leu	Phe	Tyr	Gly	Thr	Leu	Ile
				245					250					255	
Tyr	Met	Tyr	Met	Lys	Pro	Gln	Asn	Thr	Ile	Ser	His	Glu	Glu	Gly	Gln
			260					265					270		
Phe	Phe	Thr	Leu	Phe	Tyr	Thr	Ile	Val	Thr	Pro	Ser	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asn	Ala	Val	Lys	Arg	Ile
	290				295						300				
Leu	Gly	Met	Asp	Lys	His	Ser	Gly	Lys	Val						
305					310										

<210> 1903
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1903															
Met	Ser	Val	Asn	Arg	Ile	Ser	Ala	Asp	Phe	Pro	Glu	Asp	Phe	Ile	Leu
1				5					10					15	
Met	Gly	Phe	Thr	Lys	Tyr	Pro	Trp	Leu	Asp	Leu	Pro	Leu	Phe	Phe	Val
			20					25					30		
Leu	Leu	Thr	Ser	Tyr	Met	Phe	Thr	Leu	Leu	Gly	Asn	Ile	Ala	Ile	Ile
		35					40					45			
Leu	Val	Ser	Gln	Leu	Asp	Ser	Gln	Leu	Gln	Ser	Pro	Met	Tyr	Phe	Phe
	50					55					60				
Leu	Thr	Ser	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Phe	Thr	Thr	Thr	Thr	Val
65					70					75					80
Pro	Gln	Met	Leu	Phe	Asn	Leu	Gln	Gly	Pro	Asn	Lys	Asn	Ile	Thr	Tyr
				85					90					95	
Ile	Gly	Cys	Met	Ala	Gln	Ala	Tyr	Val	Phe	His	Trp	Leu	Gly	Cys	Thr

Asn	His	Phe	Gly	Cys	Glu	Tyr	Ser	Ala	Val	Ile	Ser	Val	Ser	Cys	Ser
			180					185					190		
Asp	Ser	Ser	Phe	Ser	Gln	Leu	Ala	Cys	Leu	Val	Ile	Ser	Ile	Phe	Ser
		195					200					205			
Glu	Ser	Ser	Ser	Val	Leu	Ile	Thr	Leu	Ala	Ser	Tyr	Val	Phe	Ile	Val
	210					215					220				
Val	Thr	Ile	Ile	Lys	Met	Pro	Ser	Lys	Gly	Gly	Leu	Arg	Lys	Ala	Phe
	225				230					235					240
Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Ile	Ser	Ile	Phe	His	Gly	Ile
				245					250					255	
Ile	Leu	Leu	Leu	Tyr	Cys	Val	Pro	Asn	Ser	Asn	Ser	Ser	Arg	Leu	Phe
			260					265					270		
Val	Lys	Val	Ala	Thr	Ala	Leu	Tyr	Thr	Val	Met	Ile	Pro	Met	Leu	Asn
		275					280					285			
Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Asp	Thr	Val	Arg
	290					295					300				
Arg	Leu	Ile	Ser	Ser	Lys	Leu	His	Ser	His	Leu	Thr				
	305				310					315					

<210> 1905
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1905

Met	Ile	Asn	Gln	Ser	Ser	Val	Thr	Thr	Phe	Ile	Leu	Val	Gly	Phe	Ser
1				5					10					15	
Glu	Tyr	Pro	His	Leu	Gln	Pro	Pro	Leu	Phe	Leu	Met	Val	Met	Thr	Ile
			20					25					30		
Tyr	Thr	Val	Thr	Leu	Val	Gly	Asn	Val	Gly	Ile	Ile	Leu	Val	Arg	Arg
		35				40						45			
Ile	Asn	Pro	Lys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	His	Leu
	50					55					60				
Ser	Phe	Leu	Asp	Ile	Cys	Tyr	Ser	Ser	Val	Val	Thr	Pro	Lys	Leu	Leu
	65				70					75					80
Glu	Ile	Leu	Ile	Val	Glu	His	Arg	Thr	Ile	Ser	Leu	Asn	Gly	Cys	Met
			85						90					95	
Thr	Gln	Phe	Phe	Gly	Cys	Ala	Cys	Val	Ile	Thr	Glu	Met	Phe	Met	
		100					105					110			
Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Val	Cys	Asn	Pro	Leu
		115				120						125			
Leu	Tyr	Thr	Val	Ala	Met	Ser	His	Gln	Leu	Cys	Ala	Leu	Leu	Val	Ala
	130					135					140				
Gly	Ser	Tyr	Met	Trp	Gly	Gly	Leu	Cys	Ala	Val	Ile	Ile	Thr	Tyr	Thr
	145				150					155					160
Leu	Val	Glu	Leu	Ser	Tyr	Cys	Glu	Pro	Gly	Ile	Ile	Asp	His	Phe	Gly
			165						170					175	
Cys	Glu	Tyr	Ser	Ala	Ile	Val	Ser	Val	Ser	Cys	Ser	Asp	Pro	Ser	Phe
			180					185					190		
Ser	Gln	Met	Val	Cys	Leu	Val	Ile	Ser	Ile	Leu	Ser	Glu	Gly	Ser	Ser
		195					200					205			
Leu	Leu	Ile	Thr	Met	Ala	Ser	Tyr	Val	Phe	Ile	Val	Val	Thr	Ile	Ile
	210					215					220				
Lys	Met	Pro	Ser	Lys	Asp	Gly	Leu	Arg	Lys	Ala	Phe	Ser	Thr	Cys	Thr
	225				230					235					240
Ser	His	Leu	Thr	Ala	Ile	Ser	Ile	Phe	His	Gly	Ile	Ile	Leu	Leu	Leu

				245					250				255			
Tyr	Cys	Ile	Pro	Asn	Ala	Lys	Ser	Ser	Lys	Leu	Leu	Val	Lys	Val	Ala	
			260					265					270			
Thr	Val	Leu	Tyr	Thr	Val	Leu	Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	
		275					280					285				
Ser	Leu	Arg	Asn	Lys	Asp	Val	Lys	Glu	Thr	Val	Lys	Arg	Leu	Ile	Ser	
	290					295					300					
Ser	Lys	Leu	His	Ser	Gln	Thr	Ile									
305					310											

<210> 1906
 <211> 303
 <212> PRT
 <213> Mus musculus

<400> 1906

Met	Tyr	Asn	His	Thr	Met	Thr	Glu	Phe	Ile	Leu	Phe	Gly	Leu	Thr	Gln	
1				5					10					15		
Asp	Pro	Glu	Gln	Gln	Lys	Ala	Ile	Phe	Gly	Val	Phe	Leu	Ile	Leu	Tyr	
			20					25					30			
Leu	Met	Thr	Leu	Met	Gly	Asn	Phe	Leu	Ile	Met	Val	Thr	Ile	Lys	Met	
		35				40						45				
Ser	Gln	Thr	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Phe	Tyr	Leu	Ser	
	50					55					60					
Phe	Ala	Asp	Ala	Cys	Phe	Ser	Thr	Thr	Thr	Ala	Pro	Arg	Leu	Ile	Ala	
65				70					75						80	
Asp	Ala	Leu	Leu	Gln	Lys	Lys	Ile	Ile	Thr	Tyr	Asn	Glu	Cys	Met	Thr	
				85					90					95		
Gln	Val	Phe	Ala	Val	His	Phe	Phe	Gly	Cys	Met	Glu	Ile	Phe	Val	Leu	
			100					105					110			
Ile	Leu	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	Arg	
		115				120						125				
Tyr	Thr	Ala	Ile	Met	Ser	Gln	Tyr	Ile	Cys	Gly	Val	Leu	Val	Ile	Leu	
	130					135					140					
Ala	Trp	Ile	Gly	Ser	Cys	Ile	His	Ser	Ser	Ala	Gln	Ile	Phe	Leu	Ala	
145					150					155					160	
Leu	Arg	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Tyr	Phe	Cys	
				165					170					175		
Asp	Leu	Gln	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Met	Asp	Thr	Tyr	Val	Ile	
		180						185					190			
Asn	Leu	Leu	Val	Val	Ser	Asn	Ser	Gly	Ala	Ile	Cys	Thr	Val	Ser	Phe	
	195						200					205				
Ile	Val	Leu	Leu	Ile	Ser	Tyr	Ile	Val	Ile	Leu	Tyr	Ser	Leu	Arg	Ser	
	210					215					220					
His	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Thr	Ser	His	
225					230					235					240	
Ile	Ile	Val	Val	Ile	Leu	Phe	Phe	Gly	Pro	Cys	Ile	Phe	Ile	Tyr	Thr	
				245				250						255		
Arg	Pro	Pro	Thr	Thr	Phe	Pro	Ile	Asp	Lys	Met	Val	Ser	Leu	Phe	Tyr	
			260					265					270			
Thr	Ile	Gly	Thr	Pro	Val	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	
		275					280					285				
Ala	Glu	Val	Lys	His	Ala	Met	Lys	Lys	Leu	Trp	Gly	Asn	Lys	Val		
	290					295					300					

<210> 1907
 <211> 303
 <212> PRT
 <213> Mus musculus

<400> 1907

Met	His	Asn	Tyr	Ser	Val	Thr	Glu	Phe	Ile	Leu	Phe	Gly	Leu	Thr	Gln
1				5					10					15	
Asp	Pro	Glu	Lys	Gln	Lys	Ala	Ile	Phe	Gly	Val	Phe	Leu	Ile	Leu	Tyr
		20						25					30		
Leu	Met	Thr	Leu	Ile	Gly	Asn	Phe	Leu	Ile	Val	Met	Thr	Ile	Lys	Met
		35				40					45				
Ser	Gln	Thr	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Phe	Tyr	Leu	Ser
	50					55					60				
Phe	Ala	Asp	Ala	Cys	Phe	Ser	Thr	Thr	Thr	Ala	Pro	Arg	Leu	Ile	Ile
65				70						75					80
Asp	Ala	Leu	Ser	Gln	Lys	Lys	Ile	Ile	Thr	Tyr	Asn	Glu	Cys	Met	Thr
				85					90					95	
Gln	Val	Phe	Ala	Ala	His	Phe	Phe	Gly	Cys	Met	Glu	Ile	Phe	Val	Leu
			100					105					110		
Ile	Leu	Met	Ala	Ile	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	Arg
		115					120					125			
Tyr	Thr	Thr	Ile	Met	Ser	Gln	Arg	Ile	Cys	Gly	Ile	Leu	Val	Ile	Leu
	130					135						140			
Ala	Trp	Val	Gly	Ser	Cys	Ile	His	Ser	Ser	Ala	Gln	Ile	Phe	Leu	Ala
145					150					155					160
Leu	Arg	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Tyr	Phe	Cys
				165					170					175	
Asp	Leu	Gln	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Met	Asp	Thr	Tyr	Val	Ile
			180					185					190		
Asn	Leu	Leu	Val	Val	Ser	Asn	Ser	Gly	Ala	Ile	Cys	Met	Val	Ser	Phe
		195					200					205			
Thr	Leu	Leu	Leu	Ile	Ser	Tyr	Ile	Phe	Ile	Leu	Tyr	Ser	Leu	Arg	Asn
	210					215						220			
His	Ser	Val	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Thr	Ser	His
225					230					235					240
Phe	Ile	Val	Val	Val	Ile	Phe	Phe	Gly	Pro	Cys	Ile	Phe	Ile	Tyr	Thr
				245					250					255	
Arg	Pro	Pro	Thr	Thr	Phe	Pro	Ile	Asp	Lys	Met	Val	Ser	Val	Phe	Tyr
			260					265					270		
Thr	Ile	Gly	Thr	Pro	Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn
		275					280					285			
Ala	Glu	Val	Lys	Ile	Ala	Met	Lys	Lys	Leu	Trp	Cys	Gly	Lys	Val	
	290					295					300				

<210> 1908
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1908

Met	Glu	Leu	Tyr	Asn	Leu	Thr	Ser	Asn	Leu	Glu	Phe	Leu	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Glu	Asp	Pro	Glu	Leu	Gln	Pro	Val	Leu	Phe	Ala	Leu	Phe	Leu
		20						25					30		
Leu	Ile	Tyr	Leu	Leu	Thr	Val	Leu	Gly	Asn	Val	Leu	Ile	Ile	Leu	Ala

		35					40					45					
Ile	Ser	Cys	Asp	Ser	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Tyr		
	50					55					60						
Asn	Leu	Ser	Leu	Ser	Asp	Met	Gly	Phe	Ser	Ser	Thr	Thr	Ile	Pro	Lys		
65					70					75					80		
Met	Leu	Ile	Asn	Leu	His	Ala	His	Asn	Arg	Thr	Ile	Thr	Tyr	Ala	Glu		
				85					90					95			
Cys	Leu	Thr	Gln	Val	Ser	Phe	Phe	Phe	Leu	Phe	Gly	Cys	Met	Asp	Ser		
			100					105					110				
Val	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Trp	Val	Ala	Ile	Cys	His		
	115						120					125					
Pro	Leu	His	Tyr	Gln	Val	Ile	Leu	Asn	Pro	Arg	Leu	Cys	Arg	Tyr	Leu		
	130					135					140						
Val	Val	Met	Ser	Phe	Cys	Ile	Ser	Leu	Ile	Asp	Ser	Gln	Val	His	Cys		
145					150					155					160		
Phe	Met	Val	Ser	Gln	Leu	Lys	Phe	Cys	Thr	Asn	Ile	Lys	Ile	Pro	His		
				165					170					175			
Phe	Phe	Cys	Asp	Val	Pro	Glu	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr		
			180					185					190				
Ser	Ile	Asn	Ser	Ile	Val	Ile	Phe	Leu	Val	Ser	Ile	Ile	Val	Gly	Phe		
	195					200					205						
Leu	Pro	Ala	Ser	Gly	Ile	Phe	Tyr	Ser	Tyr	Tyr	Lys	Ile	Ile	Ser	Ser		
	210				215						220						
Ile	Val	Arg	Val	Pro	Ser	Gly	Gly	Lys	Cys	Lys	Ala	Phe	Ser	Thr			
225				230					235					240			
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Cys	Leu	Phe	Tyr	Gly	Thr	Gly	Leu		
			245					250					255				
Gly	Val	Tyr	Leu	Ser	Ser	Ser	Ile	Ser	Ser	Ser	Ser	Lys	Glu	Ser	Val		
		260					265					270					
Val	Thr	Ser	Val	Met	Tyr	Thr	Met	Val	Val	Pro	Met	Ile	Asn	Pro	Phe		
	275					280						285					
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Ile	Lys	Lys	Ala	Leu	Gln	Lys	Ile		
	290				295						300						
Phe	Ser	Gln	Ile	Ile	Met	Leu	Pro	Thr	Tyr	Ile	Ile	Pro					
305					310					315							

<210> 1909
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1909

Met	Glu	Thr	Val	Asn	Gln	Thr	Ile	Ile	Ser	Glu	Phe	Ile	Leu	Leu	Gly		
1				5				10					15				
Leu	Ser	Asp	Asp	Pro	Thr	Leu	Gln	Pro	Phe	Ile	Phe	Thr	Leu	Phe	Leu		
		20					25					30					
Thr	Ile	Tyr	Leu	Ile	Thr	Thr	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Leu	Ala		
	35					40					45						
Val	Ser	Ser	Asp	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys		
	50				55					60							
Asn	Leu	Ser	Phe	Asn	Asp	Ile	Cys	Leu	Ile	Asn	Thr	Thr	Ile	Pro	Lys		
65				70					75					80			
Met	Leu	Val	Asn	Ile	Gln	Arg	Glu	Asp	His	Thr	Ile	Thr	Tyr	Thr	Ala		
			85					90					95				
Cys	Leu	Ser	Gln	Val	Tyr	Leu	Ile	Leu	Asn	Phe	Ala	Gly	Ile	Glu	Asn		
			100				105					110					

Cys	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
	115						120					125			
Pro	Leu	Lys	Tyr	Thr	Val	Ile	Met	Asn	Gln	Tyr	Val	Cys	Ala	Met	Leu
	130					135					140				
Leu	Leu	Phe	Ser	Leu	Phe	Leu	Ser	Ile	Val	His	Ala	Leu	Phe	His	Thr
145					150					155					160
Leu	Met	Ile	Leu	Leu	Leu	Ser	Phe	Cys	Thr	Glu	Ile	Glu	Ile	Pro	His
				165					170					175	
Phe	Phe	Cys	Glu	Leu	Ala	Gln	Ile	Ile	Arg	Leu	Ala	Cys	Ser	Asp	Asn
			180					185						190	
Phe	Ile	Asn	Tyr	Leu	Leu	Val	Tyr	Thr	Val	Ser	Val	Leu	Phe	Phe	Gly
	195						200					205			
Val	Pro	Val	Phe	Gly	Ile	Ile	Leu	Ser	Tyr	Ile	His	Ile	Ile	Ser	Ser
	210					215					220				
Val	Leu	Lys	Met	Ser	Ser	Leu	Gly	Gly	Lys	Tyr	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Gly	Phe
				245					250					255	
Gly	Val	His	Ile	Ser	Ser	Ala	Phe	Thr	Asp	Ser	Pro	Lys	Lys	Thr	Val
		260						265						270	
Val	Ala	Ser	Val	Met	Tyr	Thr	Ile	Ile	Thr	Gln	Met	Leu	Asn	Pro	Phe
	275						280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Met	Lys	Lys	Ala	Phe	Arg	Lys	Ile
	290				295						300				
Thr	Ser	Lys	Ile	Pro	Phe	Leu	Leu								
305					310										

<210> 1910
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1910

Met	Glu	Pro	Tyr	Asn	Ser	Thr	Gly	Thr	Leu	Glu	Phe	Ile	Leu	Leu	Gly
1				5					10					15	
Leu	Ser	Glu	Asp	Pro	Glu	Leu	Gln	Phe	Ile	Leu	Phe	Ala	Leu	Phe	Leu
		20						25					30		
Leu	Ile	Tyr	Leu	Leu	Thr	Val	Leu	Gly	Asn	Val	Leu	Ile	Ile	Leu	Ala
	35					40						45			
Ile	Ser	Cys	Asp	Ser	His	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Tyr
	50				55					60					
Asn	Leu	Ser	Leu	Ala	Asp	Met	Gly	Phe	Ser	Ser	Thr	Thr	Ile	Pro	Lys
65				70					75					80	
Met	Leu	Ile	Asn	Leu	His	Ala	His	Asn	Arg	Ser	Thr	Thr	Tyr	Ala	Glu
			85					90						95	
Cys	Leu	Thr	Gln	Val	Ser	Phe	Phe	Ile	Leu	Phe	Gly	Cys	Met	Asp	Ser
		100						105					110		
Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Trp	Val	Ala	Ile	Cys	His
	115						120					125			
Pro	Leu	His	Tyr	Gln	Val	Ile	Leu	Asn	Pro	Cys	Arg	Cys	Arg	Tyr	Leu
	130					135					140				
Val	Val	Met	Ser	Phe	Cys	Ile	Ser	Leu	Ile	Asp	Ser	Gln	Val	His	Cys
145					150					155					160
Phe	Met	Val	Ser	Gln	Leu	Thr	Phe	Cys	Thr	Asn	Ile	Glu	Ile	Pro	His
				165					170					175	
Phe	Phe	Cys	Asp	Val	Pro	Glu	Leu	Val	Lys	Leu	Ala	Cys	Ser	Asn	Thr

<210> 1913
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1913

Met	Asn	Asn	Met	Glu	Lys	Arg	Asn	Gln	Thr	Thr	Phe	Pro	Gly	Phe	Leu
1				5					10					15	
Leu	Leu	Gly	Leu	Thr	Glu	Asp	Pro	Lys	Leu	Gln	Pro	Val	Phe	Val	Ser
		20						25				30			
Leu	Phe	Phe	Ser	Ile	Tyr	Leu	Ile	Thr	Ile	Leu	Gly	Asn	Leu	Leu	Ile
	35					40						45			
Ile	Leu	Ile	Ser	Ile	Ser	Asp	Ala	His	Leu	His	Thr	Pro	Met	Tyr	Leu
	50					55					60				
Phe	Leu	Ser	Asn	Leu	Ser	Leu	Asn	Asp	Ile	Cys	Leu	Ser	Thr	Ser	Thr
65					70					75					80
Ile	Pro	Lys	Met	Leu	Val	Asn	Ile	Lys	Glu	Asn	Ser	Gln	Ser	Ile	Thr
			85						90					95	
Tyr	Lys	Gly	Cys	Leu	Thr	Gln	Met	Ser	Phe	Val	Leu	Ile	Phe	Cys	Gly
		100						105					110		
Met	Glu	Asn	Cys	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Ile	Ala
		115					120					125			
Ile	Cys	His	Pro	Leu	Arg	Tyr	Thr	Val	Ile	Met	Glu	Pro	Cys	Phe	Cys
	130					135					140				
Val	Leu	Leu	Ile	Leu	Leu	Ser	Leu	Leu	Ile	Ser	Val	Val	Asp	Thr	Leu
145					150					155					160
Met	His	Ser	Leu	Met	Val	Leu	Arg	Leu	Ser	Phe	Cys	Thr	His	Leu	Glu
			165						170					175	
Ile	Ser	Asn	Phe	Ile	Cys	Glu	Leu	Pro	Gln	Ile	Leu	Lys	Leu	Ala	Cys
		180						185					190		
Ser	Asp	Thr	Leu	Ile	Asp	Asn	Ile	Leu	Ile	Tyr	Leu	Ser	Ala	Cys	Ile
	195					200						205			
Phe	Thr	Gly	Ile	Pro	Ile	Ser	Gly	Ile	Val	Phe	Ser	Tyr	Val	His	Ile
	210					215					220				
Ile	Ser	Ser	Ile	Leu	Arg	Met	Ser	Ser	Leu	Glu	Gly	Lys	His	Lys	Ala
225					230					235					240
Phe	Thr	Thr	Cys	Gly	Ser	His	Leu	Ser	Val	Val	Ser	Leu	Phe	Tyr	Gly
			245						250					255	
Thr	Ala	Phe	Gly	Val	Tyr	Ile	Thr	Ser	Ile	Ile	Met	Asp	Ser	Ser	Arg
		260						265					270		
Asn	Thr	Ala	Val	Ala	Ser	Val	Met	Tyr	Ser	Val	Val	Pro	Gln	Met	Leu
		275					280						285		
Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Met	Lys	Glu	Ala	Met
	290					295					300				
Gly	Lys	Phe	Phe	Ser	Arg	Met	Ala	Ser	Phe	Leu					
305					310					315					

<210> 1914
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1914

Met	Asn	Asn	Met	Glu	Lys	Arg	Asn	Gln	Thr	Ala	Phe	Pro	Gly	Phe	Leu
1				5					10					15	

Leu Leu Gly Leu Thr Glu Asp Pro Lys Leu Gln Pro Val Leu Val Ser
 20 25 30
 Leu Phe Phe Ser Ile Tyr Leu Val Thr Ile Phe Gly Asn Met Leu Ile
 35 40 45
 Val Leu Ile Ser Ile Ser Asp Ser His Leu His Thr Pro Met Tyr Leu
 50 55 60
 Leu Leu Ser Asn Leu Ser Leu Asn Asp Ile Cys Leu Ser Thr Ser Thr
 65 70 75 80
 Ile Pro Lys Met Leu Val Asn Ile Gln Glu Asn Ile Gln Ser Ile Thr
 85 90 95
 Tyr Lys Gly Cys Leu Thr Gln Met Asn Phe Val Leu Ile Phe Gly Gly
 100 105 110
 Met Glu Asn Cys Leu Leu Ala Val Met Ala Tyr Asp Arg Tyr Val Ala
 115 120 125
 Ile Cys His Pro Leu Arg Tyr Thr Val Ile Met Glu Pro Cys Phe Cys
 130 135 140
 Ile Leu Leu Ile Leu Leu Ser Leu Leu Ile Ser Ile Val Asp Ser Leu
 145 150 155 160
 Met His Ser Leu Met Val Leu Arg Leu Pro Phe Cys Thr His Leu Glu
 165 170 175
 Ile Pro Ser Phe Phe Cys Glu Leu Pro Lys Met Leu Lys Leu Ala Cys
 180 185 190
 Ser Asp Thr Leu Ile Asp Asn Ile Leu Ile Tyr Ile Ser Ser Cys Ile
 195 200 205
 Phe Ala Gly Ile Pro Leu Ser Gly Ile Val Phe Ser Tyr Ile His Ile
 210 215 220
 Met Ser Ser Ile Leu Arg Met Ser Ser Ser Glu Gly Lys His Lys Ala
 225 230 235 240
 Phe Thr Thr Cys Gly Ser His Leu Ser Val Val Phe Leu Phe Tyr Gly
 245 250 255
 Thr Gly Phe Gly Val Tyr Ile Thr Ser Ile Ile Met Asp Ser Ser Arg
 260 265 270
 Lys Thr Ala Val Ala Ser Val Met Tyr Ser Val Val Pro Gln Met Leu
 275 280 285
 Asn Pro Phe Ile Tyr Ser Leu Arg Asn Arg Asp Met Lys Asp Thr Met
 290 295 300
 Arg Lys Phe Phe Ser Arg Ile Ala Ser Val Leu
 305 310 315

<210> 1915
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1915
 Met Glu Val Asp Ser Asn Ser Ser Ser Gly Ser Phe Ile Leu Met Gly
 1 5 10 15
 Val Ser Asp His Pro His Leu Glu Ile Ile Phe Phe Ala Val Ile Leu
 20 25 30
 Ala Ser Tyr Leu Leu Thr Leu Val Gly Asn Leu Thr Ile Ile Leu Leu
 35 40 45
 Ser Arg Leu Asp Ala Arg Leu His Thr Pro Met Tyr Phe Phe Leu Ser
 50 55 60
 Asn Leu Ser Ser Leu Asp Leu Ala Phe Thr Thr Ser Ser Val Pro Gln
 65 70 75 80
 Met Leu Lys Asn Leu Trp Gly Pro Asp Lys Thr Ile Ser Tyr Gly Gly

			85					90				95			
Cys	Val	Thr	Gln	Leu	Tyr	Val	Phe	Leu	Trp	Leu	Gly	Ala	Thr	Glu	Cys
			100					105					110		
Ile	Leu	Leu	Val	Val	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Val	Cys	Arg
		115					120					125			
Pro	Leu	His	Tyr	Met	Thr	Val	Met	Asn	Pro	Arg	Leu	Cys	Trp	Gly	Leu
	130					135					140				
Ala	Ala	Ile	Ser	Trp	Leu	Gly	Gly	Leu	Gly	Asn	Ser	Val	Ile	Gln	Ser
145					150					155					160
Thr	Phe	Thr	Leu	Gln	Leu	Pro	Phe	Cys	Gly	His	Arg	Lys	Val	Asp	Asn
			165						170					175	
Phe	Leu	Cys	Glu	Val	Pro	Ala	Met	Ile	Lys	Leu	Ala	Cys	Gly	Asp	Thr
		180						185					190		
Ser	Leu	Asn	Glu	Ala	Val	Leu	Asn	Gly	Val	Cys	Thr	Phe	Phe	Thr	Val
	195						200					205			
Val	Pro	Val	Ser	Val	Ile	Leu	Val	Ser	Tyr	Cys	Phe	Ile	Ala	Gln	Ala
	210					215					220				
Val	Met	Lys	Ile	Arg	Ser	Val	Glu	Gly	Arg	Arg	Lys	Ala	Phe	Asn	Thr
225					230					235					240
Cys	Val	Ser	His	Leu	Val	Val	Val	Phe	Leu	Phe	Tyr	Gly	Ser	Ala	Ile
			245						250					255	
Tyr	Gly	Tyr	Leu	Leu	Pro	Ala	Lys	Ser	Ser	Asn	Gln	Ser	Gln	Gly	Lys
		260						265					270		
Phe	Ile	Ser	Leu	Phe	Tyr	Ser	Val	Val	Thr	Pro	Met	Val	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys	Gly	Ala	Leu	Gly	Arg	Leu
	290					295					300				
Leu	Gly	Lys	Gly	Arg	Gly	Ala	Ser								
305					310										

<210> 1916
 <211> 307
 <212> PRT
 <213> Mus musculus

<400> 1916

Met	Ala	Pro	Val	Asn	Gln	Ser	Ala	Ile	Thr	Met	Phe	Ile	Leu	Gln	Asn
1				5					10					15	
Phe	Val	Asp	Asp	Pro	Trp	Ile	Gln	Asp	Val	Leu	Phe	Cys	Leu	Leu	Phe
		20						25					30		
Ala	Leu	Phe	Met	Ala	Ala	Ile	Ala	Gly	Asn	Gly	Leu	Ile	Ile	Ala	Thr
		35					40					45			
Ile	His	Ser	Ser	Pro	Asn	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Val
	50					55					60				
Asn	Leu	Ala	Leu	Met	Asp	Met	Ile	Cys	Thr	Val	Thr	Val	Leu	Pro	Lys
65					70					75					80
Val	Leu	Gln	Ser	Leu	Val	Ala	Glu	Asn	Ser	Ile	Ser	Tyr	Gly	Gly	Cys
			85						90					95	
Leu	Ile	Gln	Met	Phe	Val	Phe	Ser	Trp	Val	Leu	Gly	Ser	Glu	Leu	Leu
			100					105					110		
Leu	Phe	Ser	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Arg	Pro
		115					120					125			
Leu	His	Tyr	Gly	Thr	Leu	Met	Ser	Gly	Arg	Val	Cys	Val	Ala	Leu	Ala
	130					135					140				
Thr	Phe	Val	Trp	Phe	Ile	Gly	Ala	Leu	Asn	Ser	Leu	Val	Leu	Thr	Cys
145					150					155					160

Leu	Val	Leu	Pro	Leu	Ser	Phe	Cys	Gly	Ser	Asn	Leu	Ile	Ala	His	Phe
				165					170					175	
Phe	Cys	Glu	Ile	Pro	Ser	Val	Leu	Ile	Leu	Ser	Cys	Ser	Pro	Thr	Phe
			180					185					190		
Ile	Asn	Asn	Val	Met	Thr	Val	Ile	Ala	Asp	Met	Phe	Leu	Thr	Gly	Leu
		195					200					205			
Asn	Phe	Leu	Leu	Thr	Met	Thr	Ser	Tyr	Val	Phe	Ile	Ile	Ser	Ser	Ile
		210				215					220				
Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Lys	Lys	Arg	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ala	His	Leu	Val	Val	Val	Thr	Leu	Tyr	Tyr	Ser	Thr	Ala	Leu	Tyr
				245					250					255	
Thr	Tyr	Val	Arg	Pro	Ala	Leu	Gly	Thr	Ala	Gly	Leu	Leu	Asp	Lys	Val
			260					265					270		
Ile	Ala	Ile	Pro	Tyr	Thr	Thr	Val	Thr	Pro	Ser	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Phe	Lys	Thr	Ser	Phe	Lys	Lys	Leu	Leu
		290				295					300				
Phe	Pro	Arg													
305															

<210> 1917
 <211> 307
 <212> PRT
 <213> Mus musculus

<400> 1917

Met	Ala	Leu	Val	Asn	Gln	Ser	Val	Val	Thr	Met	Phe	Ile	Leu	Gln	Arg
1				5					10					15	
Phe	Val	Asp	Asp	Pro	Trp	Ile	Gln	Asp	Val	Leu	Phe	Cys	Leu	Phe	Phe
			20					25					30		
Ala	Leu	Phe	Met	Ala	Ala	Ile	Ala	Gly	Asn	Gly	Leu	Ile	Ile	Ala	Thr
			35				40					45			
Ile	His	Ser	Ser	Pro	Asn	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Val
	50					55				60					
Asn	Leu	Ser	Leu	Met	Asp	Val	Ile	Cys	Thr	Val	Thr	Val	Leu	Pro	Lys
65					70				75						80
Val	Leu	Gln	Ser	Leu	Val	Ala	Glu	Asn	Ser	Ile	Ser	Tyr	Gly	Gly	Cys
				85				90					95		
Leu	Thr	Gln	Met	Phe	Val	Phe	Ser	Trp	Val	Leu	Gly	Ser	Glu	Leu	Leu
			100					105					110		
Leu	Phe	Ser	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Arg	Pro
		115				120						125			
Leu	His	Tyr	Gly	Thr	Leu	Met	Ser	Gly	Lys	Val	Cys	Val	Ala	Leu	Ala
	130					135					140				
Thr	Phe	Val	Trp	Phe	Thr	Gly	Ala	Leu	Asn	Ser	Leu	Val	Leu	Thr	Cys
145					150					155					160
Leu	Met	Leu	Pro	Leu	Ser	Phe	Cys	Gly	Pro	Asn	Leu	Ile	Thr	His	Phe
				165				170						175	
Phe	Cys	Glu	Ile	Pro	Ser	Val	Leu	Ile	Leu	Ser	Cys	Ser	Pro	Thr	Phe
			180					185					190		
Ile	Asn	Asp	Ile	Met	Thr	Val	Ile	Thr	Asp	Met	Phe	Leu	Thr	Gly	Leu
		195					200					205			
Asn	Phe	Leu	Leu	Thr	Met	Thr	Ser	Tyr	Val	Phe	Ile	Ile	Ala	Ser	Ile
		210				215					220				
Leu	Arg	Ile	Arg	Ser	Ala	Glu	Gly	Lys	Lys	Arg	Ala	Phe	Ser	Thr	Cys

225		230		235		240									
Ser	Ala	His	Leu	Val	Val	Val	Thr	Leu	Tyr	Tyr	Ser	Thr	Val	Leu	Tyr
			245						250					255	
Thr	Tyr	Val	Arg	Pro	Ala	Leu	Gly	Thr	Ala	Gly	Phe	Leu	Asp	Lys	Leu
			260					265					270		
Ile	Ala	Val	Leu	Tyr	Thr	Thr	Val	Thr	Pro	Ser	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Thr	Leu	Arg	Asn	Lys	Glu	Phe	Lys	Ile	Ser	Phe	Lys	Lys	Leu	Leu
	290					295					300				
Phe	Pro	His													
305															

<210> 1918
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1918

Met	Ser	Ser	Lys	Tyr	Leu	Met	Ala	Trp	Ser	Thr	Gly	Gln	Asn	Leu	Ser
1			5						10					15	
Thr	Pro	Gly	Pro	Phe	Ile	Leu	Leu	Gly	Phe	Pro	Gly	Pro	Arg	Ser	Met
			20					25					30		
Arg	Ile	Gly	Leu	Phe	Leu	Leu	Phe	Leu	Val	Met	Tyr	Leu	Leu	Thr	Val
		35					40					45			
Ala	Gly	Asn	Leu	Ala	Ile	Ile	Ser	Leu	Val	Gly	Ala	His	Arg	Cys	Leu
	50					55				60					
Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Cys	Asn	Leu	Ser	Phe	Leu	Glu	Ile
65				70						75				80	
Trp	Phe	Thr	Thr	Ala	Cys	Val	Pro	Lys	Thr	Leu	Ala	Thr	Phe	Ala	Pro
			85						90					95	
Arg	Gly	Gly	Ala	Ile	Ser	Leu	Ala	Gly	Cys	Ala	Thr	Gln	Met	Tyr	Phe
			100					105					110		
Val	Phe	Ser	Leu	Gly	Cys	Thr	Glu	Tyr	Phe	Leu	Leu	Ala	Val	Met	Ala
	115					120						125			
Tyr	Asp	Arg	Tyr	Leu	Ala	Ile	Cys	Leu	Pro	Leu	Arg	Tyr	Gly	Gly	Ile
	130					135					140				
Met	Thr	Pro	Gly	Leu	Ala	Thr	Arg	Leu	Ala	Leu	Gly	Ser	Trp	Leu	Cys
145				150						155				160	
Gly	Phe	Ser	Ala	Ile	Val	Pro	Ala	Ala	Leu	Ile	Ala	Arg	Leu	Ser	
			165					170					175		
Phe	Cys	Gly	Ser	Arg	Val	Ile	Asn	His	Phe	Phe	Cys	Asp	Ile	Ser	Pro
			180				185						190		
Trp	Ile	Val	Leu	Ser	Cys	Thr	Asp	Thr	Gln	Val	Val	Glu	Leu	Val	Ser
	195					200						205			
Phe	Gly	Ile	Ala	Phe	Cys	Val	Ile	Leu	Gly	Ser	Cys	Gly	Ile	Thr	Leu
	210				215						220				
Val	Ser	Tyr	Ala	Tyr	Ile	Ile	Thr	Thr	Ile	Ile	Lys	Ile	Pro	Ser	Ala
225					230					235				240	
Gln	Gly	Arg	His	Arg	Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Thr	Val
			245						250				255		
Val	Leu	Ile	Trp	Tyr	Gly	Ser	Thr	Ile	Phe	Leu	His	Val	Arg	Thr	Ser
		260					265						270		
Val	Glu	Ser	Ser	Leu	Asp	Leu	Thr	Lys	Ala	Val	Thr	Val	Leu	Asn	Thr
	275					280						285			
Ile	Val	Thr	Pro	Val	Leu	Asn	Pro	Phe	Ile	Tyr	Thr	Leu	Arg	Asn	Lys
	290					295					300				

Asp Val Lys Glu Ala Leu Arg Arg Thr Met Lys Gly Lys
 305 310 315

<210> 1919
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1919
 Met Ser Lys Gly Arg Glu Asn Glu Thr Gly Val Ser Glu Phe Leu Leu
 1 5 10 15
 Leu Gly Ile Thr Asn Asp Pro Gln Gln Gln Ile Leu Phe Trp Ala
 20 25 30
 Phe Leu Cys Met Tyr Leu Val Thr Val Ala Gly Asn Thr Leu Ile Phe
 35 40 45
 Leu Ala Ile Ile Ser Asp Pro Arg Leu His Thr Pro Met Tyr Phe Phe
 50 55 60
 Leu Ala Asn Leu Ser Phe Val Asp Val Cys Phe Thr Thr Asn Leu Ile
 65 70 75 80
 Pro Arg Leu Leu Ala Gly His Val Ala Gly Thr Arg Thr Ile Ser Tyr
 85 90 95
 Val His Cys Leu Thr Gln Thr Tyr Phe Leu Ile Ser Phe Ala Asn Val
 100 105 110
 Asp Thr Phe Leu Leu Ala Ala Met Ala Leu Asp Arg Phe Val Ala Ile
 115 120 125
 Cys Tyr Pro Leu Gln Tyr His Thr Ile Ile Thr Pro Gln Leu Cys Val
 130 135 140
 Gly Leu Ala Ala Val Val Trp Met Cys Ser Ala Leu Ile Ser Leu Met
 145 150 155 160
 His Thr Leu Leu Met Ser Arg Leu Ser Phe Cys Ser Ser Ile Pro Glu
 165 170 175
 Ile Ser His Phe Tyr Cys Asp Ala Tyr Leu Leu Met Lys Leu Ala Cys
 180 185 190
 Ser Asp Thr Arg Val Asn Gln Leu Val Phe Leu Gly Ala Val Val Leu
 195 200 205
 Phe Val Ala Pro Cys Ile Leu Ile Val Val Ser Tyr Val Arg Ile Thr
 210 215 220
 Met Val Val Leu Gln Ile Pro Ser Ala Lys Gly Arg His Lys Thr Phe
 225 230 235 240
 Ser Thr Cys Ser Ser His Leu Ser Val Val Thr Leu Phe Tyr Gly Thr
 245 250 255
 Val Leu Gly Ile Tyr Ile Arg Pro Pro Asp Ser Phe Ser Thr Gln Asp
 260 265 270
 Thr Val Ala Thr Ile Met Tyr Thr Val Val Thr Pro Met Leu Asn Pro
 275 280 285
 Phe Ile Tyr Ser Leu Arg Asn Lys Asp Met Lys Glu Ser Val Thr Arg
 290 295 300
 Leu Leu Asn Arg Gly Ser Lys Ser Ser
 305 310

<210> 1920
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1920

Met	Ser	Lys	Gly	Arg	Glu	Asn	Glu	Thr	Gly	Val	Ser	Glu	Phe	Leu	Leu
1				5					10					15	
Leu	Gly	Ile	Thr	Asn	Asp	Pro	Gln	Gln	Gln	Gln	Ile	Leu	Phe	Trp	Ala
			20					25					30		
Phe	Leu	Cys	Met	Tyr	Leu	Val	Thr	Val	Ala	Gly	Asn	Thr	Leu	Ile	Phe
		35					40					45			
Leu	Ala	Ile	Ile	Ser	Asp	Pro	Cys	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe
	50					55					60				
Leu	Ala	Asn	Leu	Ser	Phe	Val	Asp	Val	Cys	Phe	Thr	Thr	Asn	Leu	Ile
65					70					75					80
Pro	Arg	Leu	Leu	Ala	Gly	His	Val	Ala	Gly	Thr	Arg	Thr	Ile	Ser	Tyr
				85					90					95	
Ala	Gln	Cys	Leu	Thr	Gln	Met	Phe	Phe	Met	Ile	Ser	Phe	Ala	His	Val
			100					105					110		
Asp	Thr	Leu	Leu	Leu	Ala	Ala	Met	Ala	Leu	Asp	Arg	Phe	Val	Ala	Ile
		115					120					125			
Cys	Tyr	Pro	Leu	Gln	Tyr	His	Thr	Ile	Ile	Thr	Pro	Gln	Leu	Cys	Val
	130					135					140				
Gly	Leu	Ala	Ala	Val	Val	Trp	Met	Cys	Ser	Ala	Leu	Ile	Ser	Leu	Met
145					150					155					160
His	Thr	Leu	Leu	Met	Ser	Arg	Leu	Arg	Phe	Cys	Ser	Ser	Ile	Pro	Glu
				165					170					175	
Ile	Ser	His	Phe	Tyr	Cys	Asp	Ala	Tyr	Leu	Leu	Met	Lys	Leu	Ala	Cys
			180					185					190		
Ser	Asp	Thr	Arg	Val	Asn	Gln	Leu	Ala	Ser	Leu	Gly	Thr	Leu	Phe	Leu
		195					200					205			
Phe	Val	Ala	Pro	Cys	Ile	Leu	Ile	Val	Val	Ser	Tyr	Val	Arg	Ile	Thr
	210					215					220				
Met	Ala	Val	Phe	Gln	Ile	Pro	Ser	Ala	Lys	Gly	Arg	His	Lys	Ala	Phe
225					230					235					240
Ser	Thr	Cys	Ser	Ser	His	Leu	Ser	Val	Val	Ile	Leu	Phe	Tyr	Gly	Thr
				245					250					255	
Ile	Leu	Gly	Ile	Tyr	Ile	Arg	Pro	Pro	Gly	Ser	Phe	Ser	Ile	Gln	Val
			260					265					270		
Ser	Val	Ala	Thr	Ile	Met	Tyr	Thr	Val	Phe	Thr	Pro	Met	Leu	Asn	Pro
		275					280					285			
Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Met	Lys	Glu	Thr	Val	Thr	Arg
	290					295					300				
Ile	Leu	Asn	Arg	Asp	Ser	Lys	Pro	Ser							
305					310										

<210> 1921

<211> 305

<212> PRT

<213> Mus musculus

<400> 1921

Met	Asn	Cys	Ser	Gln	Ala	Pro	Thr	Leu	Ile	Leu	Leu	Gly	Leu	Ser	Ser
1				5					10					15	
Asp	Ala	Glu	Lys	Trp	Gln	Pro	Leu	Phe	Ser	Ile	Phe	Leu	Val	Ile	Tyr
			20					25					30		
Leu	Leu	Gly	Leu	Leu	Gly	Asn	Leu	Leu	Leu	Leu	Leu	Ala	Ile	Gly	Thr
		35				40						45			
Asp	Val	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Gln	Leu	Ser
	50					55					60				

Phe Val Asp Leu Cys Phe Ile Thr Thr Thr Ala Pro Lys Met Leu Glu
 65 70 75 80
 Ala Leu Trp Thr Gly Asp Gly Ser Ile Ser Phe Ser Gly Cys Leu Thr
 85 90 95
 Gln Leu Tyr Phe Phe Ala Val Phe Ala Asp Met Asp Asn Leu Leu Leu
 100 105 110
 Ala Val Met Ala Ile Asp Arg Tyr Ala Ala Ile Cys His Pro Leu Arg
 115 120 125
 Tyr Ser Ala Leu Met Thr Pro Phe Arg Cys Gly Val Leu Val Ser Gly
 130 135 140
 Ser Trp Gly Val Thr Asn Cys Val Ser Leu Thr His Thr Leu Leu Leu
 145 150 155 160
 Ser Lys Leu Tyr Phe His Thr Asn Gln Glu Ile Pro His Phe Phe Cys
 165 170 175
 Glu Phe Gly Pro Leu Leu Leu Leu Ser Cys Ser Asp Thr His Leu Asn
 180 185 190
 Lys Ile Leu Val Ile Ile Leu Val Gly Ile Leu Gly Ile Ser Ala Val
 195 200 205
 Leu Cys Ile Val Ser Ser Tyr Gly Cys Ile Phe Tyr Ala Val Ala Lys
 210 215 220
 Val Pro Ser Ala Gln Gly Lys Arg Lys Ala Leu Ser Thr Cys Ser Ser
 225 230 235 240
 His Leu Ser Val Val Leu Leu Phe Tyr Ser Thr Val Phe Ala Thr Tyr
 245 250 255
 Leu Lys Pro Pro Ser Ser Ser Arg Ser Ser Glu Glu Val Val Ala Ala
 260 265 270
 Val Met Tyr Ser Leu Val Thr Pro Thr Leu Asn Pro Phe Ile Tyr Ser
 275 280 285
 Leu Arg Asn Lys Asp Val Lys Ser Ser Leu Arg Arg Ile Leu Asn Met
 290 295 300
 Glu
 305

<210> 1922
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1922
 Met Gly Ile Leu Ser Thr Gly Asn Gln Thr Val Thr Glu Phe Val Leu
 1 5 10 15
 Leu Gly Phe His Glu Val Pro Gly Leu His Leu Leu Phe Phe Ser Val
 20 25 30
 Phe Thr Ile Leu Tyr Ala Ser Ile Ile Thr Gly Asn Met Leu Ile Ala
 35 40 45
 Val Val Val Val Ser Ser Gln Arg Leu His Thr Pro Met Tyr Phe Phe
 50 55 60
 Leu Val Asn Leu Ser Phe Ile Glu Ile Val Tyr Thr Ser Thr Val Val
 65 70 75 80
 Pro Lys Met Leu Glu Gly Phe Leu Gln Glu Ala Thr Ile Ser Val Ala
 85 90 95
 Gly Cys Leu Leu Gln Phe Phe Val Phe Gly Ser Leu Ala Thr Asp Glu
 100 105 110
 Cys Phe Leu Leu Ala Val Met Ala Tyr Asp Arg Tyr Leu Ala Ile Cys
 115 120 125
 His Pro Leu Arg Tyr Pro His Leu Met Gly Pro Gln Trp Cys Leu Gly

130	135	140
Leu Val Leu Thr Val	Trp Leu Ser Gly Phe Met	Val Asp Gly Leu Val
145	150	155
Val Ala Leu Met Ala	Gln Leu Arg Phe Cys Gly	Pro Asn Leu Val Asp
165	170	175
His Phe Tyr Cys Asp	Phe Ser Pro Leu Met	Val Leu Ala Cys Ser Asp
180	185	190
Thr Gln Val Ala Gln	Val Thr Thr Phe Val	Leu Ser Val Val Phe Leu
195	200	205
Thr Val Pro Phe Gly	Leu Val Leu Ile Ser Tyr	Ala Gln Ile Val Val
210	215	220
Thr Val Leu Arg Val	Pro Ser Gly Thr Arg	Arg Thr Lys Ala Phe Ser
225	230	235
Thr Cys Ser Ser His	Leu Ala Val Val Ser	Thr Phe Tyr Gly Thr Leu
245	250	255
Met Val Leu Tyr Ile	Val Pro Ser Ala Val	His Ser Gln Leu Leu Ser
260	265	270
Lys Val Ile Ala Leu	Leu Tyr Thr Val Val	Thr Pro Ile Phe Asn Pro
275	280	285
Val Ile Tyr Thr Leu	Arg Asn Gln Glu Val	Gln Gln Ala Leu Arg Arg
290	295	300
Leu Leu Tyr Cys Lys	Pro Thr Glu Met	
305	310	

<210> 1923
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1923

Met Gly Thr Asn Ser	Ser Leu Val Thr Glu Phe Val	Leu Val Gly Phe
1	5	10
Ser Arg Leu Val His	Leu Gln Gly Ile Leu Phe Ser	Leu Phe Leu Thr
20	25	30
Val Tyr Leu Leu Thr	Val Ala Gly Asn Leu Leu Ile	Val Ala Leu Val
35	40	45
Ser Thr Asp Ala Ala	Leu Gln Ser Pro Met Tyr	Phe Phe Leu Arg Ile
50	55	60
Leu Ser Ala Leu Glu	Ile Cys Tyr Thr Ser Val Thr	Val Pro Leu Leu
65	70	75
Leu His His Leu Leu	Thr Gly Arg Arg His Ile Ser	Arg Ser Gly Cys
85	90	95
Ala Leu Gln Met Phe	Phe Phe Leu Phe Phe Gly Ala	Thr Glu Cys Cys
100	105	110
Leu Leu Ala Ala Met	Ala Tyr Asp Arg Tyr Ala Ala	Ile Cys Glu Pro
115	120	125
Leu Arg Tyr Gln Val	Leu Leu Ser Arg Arg Val Cys	Val Gln Leu Ala
130	135	140
Gly Ala Ala Trp Ser	Cys Gly Ala Leu Val Gly Leu Gly	His Thr Ser
145	150	155
Phe Ile Phe Ser Leu	Pro Phe Cys Gly Pro Asn Ala	Val Pro His Phe
165	170	175
Phe Cys Glu Ile Gln	Pro Val Leu Gln Leu Val Cys Gly	Asp Thr Ser
180	185	190
Leu Asn Glu Leu Gln	Ile Ile Leu Ala Ala Ala Leu	Ile Ile Leu Cys
195	200	205

Pro	Phe	Gly	Leu	Ile	Leu	Ser	Ser	Tyr	Gly	Arg	Ile	Leu	Val	Thr	Ile
210						215					220				
Phe	Arg	Ile	Pro	Ser	Ala	Ala	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Leu	Val	Val	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Ala	Ile	Phe
			245						250					255	
Ile	Tyr	Ile	Arg	Pro	Lys	Ala	Ser	Tyr	Asp	Pro	Thr	Thr	Asp	Pro	Leu
			260					265					270		
Leu	Ser	Leu	Phe	Tyr	Ala	Val	Ile	Thr	Pro	Ile	Leu	Asn	Pro	Val	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Ala	Asp	Val	Lys	Ala	Ala	Leu	Lys	Arg	Ser	Ile
	290					295					300				
Gln	Lys	Met	Gly	Pro	Ser	Glu	Ile								
305						310									

<210> 1924
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1924

Met	Met	Asn	Cys	Ser	Gln	Ala	Pro	Gly	Phe	Ile	Leu	Leu	Gly	Leu	Ser
1				5					10					15	
Ser	Asn	Ser	Glu	Lys	Trp	Gln	Pro	Leu	Phe	Ser	Ile	Phe	Leu	Val	Leu
			20					25					30		
Tyr	Leu	Leu	Gly	Leu	Leu	Gly	Asn	Leu	Leu	Leu	Leu	Leu	Ala	Ile	Gly
		35					40						45		
Thr	Asp	Val	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Gln	Leu
	50					55					60				
Ser	Leu	Val	Asp	Leu	Cys	Phe	Ile	Thr	Thr	Thr	Ala	Pro	Lys	Met	Leu
65					70					75					80
Glu	Thr	Leu	Trp	Thr	Gly	Asp	Gly	Ser	Ile	Ser	Phe	Ser	Gly	Cys	Leu
			85					90						95	
Thr	Gln	Leu	Tyr	Phe	Phe	Ala	Val	Phe	Ala	Asp	Met	Asp	Asn	Leu	Leu
		100						105					110		
Leu	Ala	Val	Met	Ala	Ile	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	His	Pro	Leu
		115					120					125			
Leu	Tyr	Pro	Leu	Leu	Met	Thr	Pro	Cys	Arg	Cys	Arg	Val	Leu	Val	Ser
	130					135					140				
Gly	Ser	Trp	Gly	Val	Ala	His	Cys	Val	Ser	Leu	Thr	His	Ile	Leu	Leu
145					150					155					160
Leu	Ser	Gln	Leu	Tyr	Phe	His	Thr	Asn	Gln	Glu	Ile	Pro	His	Phe	Phe
			165					170						175	
Cys	Asp	Phe	Gly	Pro	Leu	Leu	Leu	Leu	Ser	Cys	Ser	Asp	Ala	His	Leu
		180						185					190		
Asn	Glu	Ser	Leu	Met	Met	Ala	Leu	Ala	Gly	Val	Leu	Gly	Ile	Ser	Ala
		195					200					205			
Leu	Leu	Cys	Ile	Val	Ser	Ser	Tyr	Gly	Cys	Ile	Phe	Tyr	Ala	Val	Ala
	210					215					220				
Lys	Val	Pro	Ser	Ala	Gln	Gly	Lys	Arg	Lys	Ala	Leu	Ala	Thr	Cys	Ser
225					230					235					240
Ser	His	Leu	Ser	Val	Val	Leu	Leu	Phe	Tyr	Ser	Thr	Val	Phe	Ala	Thr
			245						250					255	
Tyr	Leu	Lys	Pro	Pro	Ser	Ser	Ser	Arg	Ser	Ser	Gly	Glu	Val	Val	Ala
			260					265					270		
Ala	Val	Met	Tyr	Thr	Leu	Val	Thr	Pro	Thr	Leu	Asn	Pro	Phe	Ile	Tyr

	275		280		285
Ser	Leu Arg Asn Lys Asp	Val Lys Ser Ser Leu Arg	Arg Arg Ile Leu Asn		
	290	295	300		
Met	Val Lys Ser Gln Asp				
305	310				

<210> 1925
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1925

Met	Asn	Cys	Ser	Lys	Ala	Pro	Gly	Phe	Ile	Leu	Leu	Gly	Leu	Ser	Ser
1				5				10					15		
Asp	Pro	Glu	Lys	Trp	Gln	Pro	Leu	Phe	Asn	Ile	Phe	Leu	Cys	Leu	Tyr
			20					25					30		
Leu	Leu	Gly	Leu	Leu	Gly	Asn	Leu	Leu	Leu	Leu	Leu	Ala	Ile	Gly	Thr
			35					40					45		
Asp	Val	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Gln	Leu	Ser
	50					55					60				
Leu	Val	Asp	Leu	Cys	Phe	Ile	Thr	Thr	Thr	Ala	Pro	Lys	Met	Leu	Glu
65					70					75					80
Ala	Leu	Trp	Thr	Gly	Asp	Gly	Ser	Ile	Ser	Phe	Ser	Gly	Cys	Leu	Thr
				85					90					95	
Gln	Phe	Tyr	Phe	Phe	Ala	Val	Phe	Ala	Asp	Met	Asp	Asn	Leu	Leu	Leu
			100					105					110		
Ala	Val	Met	Ala	Ile	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	His	Pro	Leu	Phe
		115					120					125			
Tyr	Pro	Phe	Leu	Met	Thr	Pro	Cys	Arg	Cys	Glu	Val	Leu	Ala	Ser	Gly
	130					135					140				
Ser	Trp	Gly	Ile	Ala	His	Cys	Val	Ser	Leu	Phe	Tyr	Thr	Leu	Leu	Leu
145					150					155					160
Ser	Gln	Phe	Tyr	Tyr	His	Thr	Asn	Gln	Gly	Ile	Pro	His	Phe	Phe	Cys
				165					170					175	
Asp	Ser	Arg	Pro	Leu	Leu	Leu	Leu	Ser	Cys	Ser	Asp	Thr	His	Leu	Ser
			180					185					190		
Glu	Gly	Leu	Met	Met	Ala	Leu	Ser	Gly	Val	Leu	Gly	Met	Ser	Ser	Val
		195					200					205			
Leu	Cys	Leu	Val	Ser	Ser	Tyr	Gly	Cys	Ile	Phe	Tyr	Ala	Val	Ala	Arg
	210					215					220				
Val	Pro	Ser	Ala	Gln	Gly	Lys	Arg	Lys	Ser	Leu	Ala	Thr	Cys	Ser	Ser
225					230					235					240
His	Leu	Ser	Val	Val	Leu	Leu	Phe	Tyr	Ser	Thr	Val	Phe	Ala	Thr	Tyr
				245					250					255	
Leu	Lys	Pro	Pro	Ser	Thr	Ser	His	Ser	Ser	Ala	Glu	Val	Val	Ala	Ala
			260					265					270		
Val	Met	Tyr	Thr	Leu	Val	Thr	Pro	Thr	Leu	Asn	Pro	Phe	Ile	Tyr	Ser
		275					280					285			
Leu	Arg	Asn	Lys	Asp	Val	Lys	Ser	Ser	Leu	Arg	Lys	Ile	Leu	Asn	Met
	290					295					300				
Asp	Lys	Phe	Gln	Gly											
305															

<210> 1926
 <211> 309

<212> PRT
<213> Mus musculus

<400> 1926

Met	Asn	Cys	Ser	Gln	Ala	Pro	Thr	Phe	Ile	Leu	Leu	Gly	Leu	Ser	Ser
1				5				10					15		
Asp	Ala	Glu	Lys	Trp	Gln	Pro	Leu	Phe	Ser	Ile	Phe	Leu	Val	Leu	Tyr
			20					25					30		
Leu	Leu	Gly	Leu	Leu	Gly	Asn	Leu	Leu	Leu	Leu	Ala	Ile	Gly	Thr	
		35				40					45				
Asp	Val	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Gln	Leu	Ser
	50					55					60				
Leu	Val	Asp	Leu	Cys	Phe	Ile	Thr	Thr	Thr	Ala	Pro	Lys	Met	Leu	Glu
65					70					75					80
Ala	Leu	Trp	Thr	Gly	Asp	Gly	Ser	Ile	Ser	Phe	Ser	Gly	Cys	Leu	Thr
				85				90					95		
Gln	Leu	Tyr	Phe	Phe	Ala	Val	Phe	Ala	Asp	Met	Asp	Asn	Leu	Leu	Leu
			100					105					110		
Ala	Val	Met	Ala	Ile	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	His	Pro	Leu	Leu
	115						120					125			
Tyr	Pro	Leu	Leu	Met	Thr	Pro	Cys	Arg	Cys	Arg	Val	Leu	Val	Ser	Gly
	130					135					140				
Ser	Trp	Gly	Val	Ala	His	Cys	Val	Ser	Leu	Thr	His	Thr	Leu	Leu	Phe
145					150					155					160
Ser	Lys	Leu	Tyr	Phe	His	Asn	Asn	Gln	Glu	Ile	Pro	His	Phe	Phe	Cys
				165				170					175		
Asp	Phe	Gly	Pro	Leu	Leu	Leu	Leu	Ser	Cys	Ser	Asp	Thr	Tyr	Leu	Asn
			180					185					190		
Glu	Ser	Leu	Met	Met	Ala	Leu	Ser	Gly	Leu	Leu	Ala	Ile	Ser	Ala	Phe
	195						200					205			
Leu	Cys	Ile	Val	Ser	Ser	Tyr	Gly	Cys	Ile	Phe	Tyr	Ala	Val	Ala	Lys
	210					215					220				
Val	Pro	Ser	Ala	Gln	Gly	Lys	Arg	Lys	Ala	Leu	Ala	Thr	Cys	Ser	Ser
225				230					235						240
His	Leu	Ser	Val	Val	Leu	Leu	Phe	Tyr	Ser	Thr	Val	Phe	Ala	Thr	Tyr
				245				250						255	
Leu	Lys	Pro	Pro	Ser	Ser	Ser	His	Ser	Ser	Gln	Glu	Val	Val	Ala	Ala
		260					265						270		
Val	Met	Tyr	Thr	Leu	Val	Thr	Pro	Thr	Leu	Asn	Pro	Phe	Ile	Tyr	Ser
	275					280						285			
Leu	Arg	Asn	Lys	Asp	Val	Lys	Ser	Ser	Leu	Arg	Arg	Ile	Leu	Asn	Met
	290					295					300				
Val	Lys	Ser	Gln	Asp											
305															

<210> 1927
<211> 310
<212> PRT
<213> Mus musculus

<400> 1927

Met	Ser	Gly	Val	Ser	Glu	Asn	Gln	Thr	Thr	Trp	Leu	Thr	Leu	Val	Gly
1				5				10					15		
Phe	Gly	Lys	Leu	Lys	His	Leu	Gly	Phe	Leu	Pro	Phe	Ala	Leu	Phe	Leu
			20					25					30		
Ala	Ile	Tyr	Val	Ala	Thr	Val	Gly	Gly	Asn	Ile	Leu	Ile	Val	Leu	Ala

Tyr	Thr	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala	Ile	Cys	Tyr	Pro	Leu
	115						120					125			
Arg	Tyr	Ser	Ile	Ile	Met	Ser	His	Arg	Val	Cys	Ala	Ile	Leu	Ala	Thr
	130					135					140				
Gly	Thr	Ser	Phe	Phe	Gly	Cys	Ile	Gln	Ala	Thr	Phe	Leu	Thr	Thr	Leu
145					150					155					160
Thr	Phe	Gln	Leu	Pro	Tyr	Cys	Gly	Pro	Asn	Glu	Val	Asp	Tyr	Tyr	Phe
			165						170					175	
Cys	Asp	Ile	Pro	Val	Met	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr	Ser	Ala
			180					185					190		
Leu	Glu	Met	Val	Gly	Phe	Ile	Ser	Val	Gly	Leu	Met	Pro	Leu	Ser	Cys
	195						200					205			
Phe	Leu	Leu	Ile	Leu	Thr	Ser	Tyr	Ser	Cys	Ile	Val	Cys	Ser	Ile	Leu
	210					215					220				
Gln	Ile	Arg	Ser	Ala	Glu	Gly	Arg	Arg	Arg	Ala	Phe	Ser	Thr	Cys	Ser
225					230					235					240
Ala	His	Leu	Thr	Ala	Ile	Leu	Leu	Phe	Tyr	Met	Pro	Val	Val	Leu	Ile
				245					250					255	
Tyr	Leu	Arg	Pro	Thr	Pro	Ser	Pro	Trp	Leu	Asp	Ala	Thr	Val	Gln	Val
		260						265					270		
Leu	Asn	Asn	Leu	Val	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu
	275						280					285			
Arg	Asn	Lys	Glu	Val	Lys	Ala	Ser	Leu	Trp	Lys	Val	Leu	Arg	Lys	Pro
	290					295					300				
Ala	Phe	Ala	Pro	Glu	Gln	Leu									
305					310										

<210> 1929
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1929

Met	Ala	Ala	Gly	Asn	His	Cys	Thr	Val	Thr	Glu	Phe	Phe	Leu	Val	Gly
1				5					10					15	
Leu	Ser	Glu	Lys	Pro	Glu	Phe	Gln	Leu	Pro	Leu	Phe	Leu	Leu	Phe	Leu
		20						25					30		
Gly	Ile	Tyr	Leu	Ile	Thr	Val	Thr	Gly	Asn	Val	Gly	Met	Ile	Thr	Leu
	35					40						45			
Ile	Gly	Leu	Ser	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Val	Arg
	50					55					60				
Ser	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Gln	Ser	Thr	Val	Val	Ile	Pro	Lys
65					70					75					80
Met	Leu	Met	Ser	Phe	Leu	Thr	Glu	Lys	Asn	Ile	Ile	Ser	Tyr	Ser	Gly
			85						90					95	
Cys	Met	Val	Gln	Leu	Tyr	Phe	Phe	Phe	Ile	Phe	Gly	Ile	Ala	Glu	Cys
		100						105					110		
Tyr	Thr	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
	115					120						125			
Pro	Leu	Leu	Tyr	Asn	Val	Thr	Met	Ser	Tyr	Gln	Ile	Tyr	Asn	Ser	Leu
	130					135						140			
Ile	Ser	Gly	Ser	Tyr	Ile	Phe	Ala	Val	Val	Cys	Ser	Ser	Leu	Ile	Thr
145					150					155					160
Gly	Phe	Met	Phe	Arg	Ile	Gln	Phe	Cys	Asn	Leu	Asp	Val	Ile	Asn	His
			165						170					175	
Tyr	Phe	Cys	Asp	Leu	Leu	Pro	Leu	Leu	Asn	Leu	Ala	Ser	Ser	Asn	Ile

<210> 1932
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1932
 Met Thr Asn His Thr Met Val Thr Glu Phe Thr Leu Leu Gly Ile Pro
 1 5 10 15
 Glu Thr Glu Gly Leu Glu Asn Ala Leu Leu Phe Leu Phe Ser Thr Met
 20 25 30
 Tyr Ala Cys Ala Leu Leu Gly Asn Phe Leu Ile Leu Thr Ala Ile Thr
 35 40 45
 Thr Ser Pro Arg Leu His Thr Pro Met Tyr Phe Phe Leu Gly Asn Leu
 50 55 60
 Ser Ile Phe Asp Leu Gly Phe Cys Ser Thr Thr Ala Pro Lys Met Leu
 65 70 75 80
 Ser Tyr Leu Ser Gly Trp Gly Gly Gly Ile Ser Phe Gln Gly Cys Val
 85 90 95
 Val Gln His Phe Phe Tyr His Cys Leu Gly Cys Thr Leu Cys Phe Leu
 100 105 110
 Tyr Thr Val Met Ala Tyr Asp Arg Phe Val Ala Ile Cys Phe Pro Leu
 115 120 125
 Arg Tyr Thr Ile Ile Met Asn His Arg Val Cys Cys Val Leu Ala Thr
 130 135 140
 Gly Thr Trp Met Ser Gly Cys Val His Ala Thr Ile Leu Thr Ser Leu
 145 150 155 160
 Thr Phe Gln Leu Pro Tyr Cys Gly Pro Ser Glu Val Ser Tyr Tyr Phe
 165 170 175
 Cys Asp Met Pro Ala Val Leu Leu Leu Ala Cys Glu Asp Ser Ser Leu
 180 185 190
 Ala Gln Arg Val Gly Phe Thr Asn Val Gly Leu Leu Ser Leu Ile Cys
 195 200 205
 Phe Phe Leu Ile Ile Val Ser Tyr Thr Arg Ile Gly Ile Ser Ile Ser
 210 215 220
 Lys Ile Arg Ser Thr Glu Gly Arg Gln Arg Ala Phe Ser Thr Cys Ser
 225 230 235 240
 Ala His Leu Thr Ala Ile Met Cys Val Tyr Gly Pro Val Ile Val Ile
 245 250 255
 Tyr Leu Gln Pro Asn Pro Ser Pro Leu Ser Ala Ile Ile Gln Ile
 260 265 270
 Leu His Asn Leu Val Thr Pro Thr Ile Asn Pro Leu Ile Tyr Ser Leu
 275 280 285
 Arg Asn Lys Asp Val Lys Ala Ala Leu Arg His Val Phe Leu Lys Arg
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 Cys Leu Ser Leu Glu Val Asn Glu Asn Ser
 305 310

<210> 1933
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1933
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Val	Tyr	Val	Phe	Gln	Leu	Pro	Phe	Cys	Gly	Ser	Arg	Met	Val	Asn	His
				165					170					175	
Phe	Phe	Cys	Glu	Val	Pro	Ser	Leu	Leu	Pro	Leu	Val	Cys	Glu	Asp	Thr
			180					185					190		
Ser	Gln	Tyr	Glu	His	Thr	Val	Leu	Val	Ser	Gly	Leu	Val	Ile	Leu	Leu
		195					200					205			
Leu	Pro	Phe	Leu	Ala	Ile	Leu	Ala	Ser	Tyr	Ala	Arg	Val	Leu	Val	Val
	210					215					220				
Val	Leu	Gln	Met	Gly	Ser	Gly	Lys	Gly	Gln	Ser	Arg	Ala	Val	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Thr	Val	Ala	Ser	Leu	Phe	Tyr	Val	Thr	Thr	Leu
			245						250					255	
Ser	Thr	Tyr	Thr	Gln	Pro	His	Ser	Leu	His	Ser	Pro	Gly	Arg	Asp	Lys
			260					265					270		
Val	Val	Ala	Val	Leu	Tyr	Ser	Ile	Val	Thr	Pro	Val	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Met	Gly	Ala	Leu	Arg	Arg	Gln
	290					295					300				
Arg	Gly														
305															

<210> 1936

<211> 306

<212> PRT

<213> Mus musculus

<400> 1936

Met	Glu	Thr	Gly	Asn	His	Ser	Cys	Gly	Thr	Asp	Phe	Thr	Leu	Val	Gly
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Leu	Phe	Gln	Tyr	Gly	His	Met	Asp	Thr	Phe	Leu	Phe	Thr	Val	Ile	Ser
			20					25					30		
Ile	Leu	Phe	Ala	Val	Ala	Leu	Ile	Gly	Asn	Ile	Thr	Leu	Val	Leu	Leu
		35				40						45			
Ile	Arg	Leu	Asp	Arg	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Gln	Leu	Ser	Ile	Ile	Asp	Met	Met	Cys	Ile	Ser	Thr	Thr	Val	Pro	Lys
65					70					75					80
Met	Gly	Ala	Asn	Phe	Leu	Ser	Asp	Thr	Lys	Ala	Ile	Ser	Val	Leu	Gly
			85						90					95	
Cys	Glu	Ile	Gln	Val	Phe	Met	Phe	Met	Ser	Leu	Ala	Gly	Cys	Glu	Ala
			100					105					110		
Leu	Leu	Leu	Gly	Phe	Met	Ser	Tyr	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Gln
		115					120					125			
Pro	Leu	His	Tyr	Pro	Val	Leu	Met	Ser	Arg	Lys	Ile	Cys	Cys	Ser	Met
	130					135					140				
Val	Ala	Ser	Ala	Trp	Ser	Ser	Ser	Ser	Ile	Asn	Ala	Leu	Ala	His	Thr
145					150					155					160
Val	Tyr	Val	Phe	Gln	Leu	Pro	Phe	Cys	Gly	Ser	Arg	Met	Val	Asn	His
			165						170					175	
Phe	Phe	Cys	Glu	Val	Pro	Ser	Leu	Leu	Pro	Leu	Val	Cys	Glu	Asp	Thr
			180					185					190		
Ser	Gln	Tyr	Glu	His	Met	Ile	Val	Met	Ser	Val	Leu	Val	Leu	Val	Leu
		195					200					205			
Leu	Pro	Phe	Leu	Ala	Ile	Leu	Ala	Ser	Tyr	Ala	Arg	Val	Leu	Val	Val
	210					215					220				
Val	Phe	Gln	Met	Gly	Ser	Gly	Lys	Gly	Gln	Ser	Arg	Ala	Val	Ser	Thr

225		230		235		240									
Cys	Ser	Ser	His	Leu	Thr	Val	Ala	Ser	Leu	Phe	Tyr	Val	Thr	Gly	Leu
			245						250					255	
Cys	Thr	Tyr	Thr	Gln	Pro	His	Ser	Leu	His	Ser	Pro	Gly	Arg	Asp	Lys
			260					265					270		
Val	Val	Ala	Val	Leu	Tyr	Ser	Ile	Val	Thr	Pro	Val	Leu	Asn	Pro	Phe
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ile	Gly	Ala	Leu	Arg	Arg	Gln
	290					295					300				
Met	Gly														
305															

<210> 1937
 <211> 321
 <212> PRT
 <213> Mus musculus

<400> 1937

Met	Ala	Phe	Leu	His	Asn	Gly	Asn	His	Thr	Ala	Val	Thr	Glu	Phe	Ile
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Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Arg	Ile	Val	Leu	Phe	Thr
		20					25					30			
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Ser	Gly	Asn	Leu	Ser	Thr
		35				40						45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	His	Leu	Ala	Ser	Ala	Asp	Ile	Gly	Tyr	Ser	Ser	Ser	Val
65				70					75						80
Thr	Pro	Asn	Met	Leu	Val	Asn	Phe	Leu	Val	Lys	Gln	Asn	Thr	Ile	Ser
			85					90						95	
Tyr	Ile	Gly	Cys	Ser	Ile	Gln	Phe	Gly	Ser	Ala	Ala	Phe	Phe	Gly	Gly
		100					105					110			
Leu	Glu	Cys	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala
		115				120						125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Thr	Gln	Val	Cys
	130					135					140				
Val	Gln	Leu	Val	Val	Gly	Ser	Tyr	Ile	Gly	Gly	Phe	Leu	Asn	Ala	Ser
145				150					155						160
Phe	Ala	Thr	Val	Ser	Phe	Leu	Phe	Leu	Phe	Cys	Gly	Pro	Asn	Ile	
			165					170					175		
Ile	Asn	His	Phe	Phe	Cys	Asp	Phe	Ala	Pro	Leu	Ile	Glu	Leu	Ser	Cys
		180					185					190			
Ser	Asp	Val	Arg	Ile	Ser	Val	Leu	Val	Thr	Ser	Phe	Ser	Ala	Gly	Thr
	195					200						205			
Val	Thr	Met	Leu	Thr	Val	Leu	Val	Ile	Ala	Ile	Ser	Tyr	Thr	Tyr	Ile
	210					215					220				
Leu	Ile	Thr	Ile	Leu	Lys	Met	Arg	Ser	Thr	Glu	Gly	Arg	His	Lys	Ala
225				230					235						240
Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Ser	Leu	Phe	Tyr	Gly
			245						250					255	
Thr	Ile	Thr	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Arg	Tyr	Ser	Thr	Asp
		260					265					270			
Gln	Asn	Lys	Val	Val	Ser	Val	Phe	Tyr	Met	Val	Val	Ile	Pro	Met	Leu
	275						280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Ile	Lys	Gly	Ala	Leu
	290					295					300				

Arg	Arg	His	Leu	Gly	Lys	Lys	Ile	Phe	Ser	Gln	Ser	Asn	Ile	Leu	Phe
305					310					315					320
Tyr															

<210> 1938
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1938

Met	Ala	Phe	Leu	Glu	Asn	Gly	Asn	His	Thr	Ala	Val	Ser	Glu	Phe	Ile
1				5				10					15		
Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Arg	Ile	Val	Leu	Phe	Thr
		20					25					30			
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Ser	Gly	Asn	Leu	Ser	Thr
		35				40						45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe
	50					55				60					
Phe	Leu	Ser	His	Leu	Ala	Ser	Ala	Asp	Ile	Gly	Leu	Ser	Ser	Ser	Val
65				70				75							80
Thr	Pro	Asn	Met	Leu	Val	Asn	Phe	Leu	Val	Glu	Arg	Ser	Thr	Ile	Ser
			85					90						95	
Tyr	Leu	Gly	Cys	Gly	Ile	Gln	Leu	Ser	Ser	Ala	Ala	Leu	Phe	Gly	Ala
		100					105						110		
Thr	Glu	Cys	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Phe	Met	Ala
		115				120						125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Thr	Lys	Val	Cys
	130					135					140				
Val	Gln	Leu	Ile	Val	Gly	Ser	Tyr	Ile	Ala	Gly	Phe	Leu	Asn	Ala	Ser
145				150						155					160
Ser	Phe	Leu	Leu	Ser	Phe	Phe	Ser	Leu	Leu	Phe	Cys	Gly	Gln	Asn	Ile
			165					170						175	
Ile	Asn	Asp	Phe	Phe	Cys	Asp	Phe	Ala	Pro	Leu	Ala	Glu	Leu	Ser	Cys
		180					185						190		
Ser	Asp	Val	Ser	Val	Phe	Val	Val	Val	Ile	Ser	Phe	Ser	Ala	Gly	Thr
	195					200						205			
Val	Thr	Met	Leu	Thr	Val	Phe	Val	Ile	Ala	Ile	Ser	Tyr	Ser	Tyr	Ile
	210					215					220				
Leu	Ile	Thr	Ile	Leu	Lys	Met	Arg	Ser	Thr	Glu	Gly	Arg	Gln	Lys	Ala
225				230						235					240
Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly
			245					250						255	
Thr	Val	Thr	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Ser	Tyr	Ser	Met	Asp
		260					265						270		
Gln	Asn	Lys	Ile	Ile	Ser	Val	Phe	Tyr	Met	Val	Val	Val	Pro	Met	Leu
	275						280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Ile	Lys	Gly	Ala	Leu
	290					295					300				
Lys	Arg	His	Phe	Asp	Arg	Lys	Thr	Phe	Ser						
305					310										

<210> 1939
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 <212> PRT

<213> Mus musculus

<400> 1939

Met	Ala	Phe	Leu	Glu	Asp	Gly	Asn	His	Thr	Ala	Val	Thr	Glu	Phe	Ile
1			5						10					15	
Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Arg	Val	Ile	Leu	Phe	Thr
		20						25					30		
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Ser	Gly	Asn	Leu	Ser	Thr
		35					40					45			
Ile	Leu	Leu	Ile	Arg	Val	Ser	Ser	Gln	Leu	His	His	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Leu	Ser	His	Val	Gly	Ser	Val	Asp	Ile	Gly	Tyr	Ser	Ser	Ser	Val
65					70					75					80
Thr	Pro	Asn	Met	Leu	Val	Asn	Phe	Leu	Val	Glu	Lys	His	Thr	Ile	Ala
			85						90					95	
Tyr	Leu	Gly	Cys	Gly	Ile	Gln	Leu	Ser	Ser	Ala	Ala	Phe	Phe	Gly	Thr
			100					105						110	
Ala	Glu	Cys	Phe	Leu	Leu	Ala	Thr	Met	Ala	Tyr	Asp	Arg	Phe	Val	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Thr	Gln	Thr	Cys
	130					135					140				
Ile	Gln	Leu	Val	Val	Gly	Ser	Tyr	Thr	Gly	Gly	Ile	Leu	Asn	Ala	Ser
145					150					155					160
Phe	Ala	Ile	Ile	Ser	Phe	Phe	Ser	Phe	Leu	Phe	Cys	Gly	Pro	Asn	Arg
			165						170					175	
Ile	Asn	His	Phe	Tyr	Cys	Asp	Phe	Ala	Pro	Leu	Val	Glu	Leu	Ser	Cys
		180					185						190		
Ser	Asp	Ile	Asn	Val	Ser	Val	Val	Ile	Thr	Thr	Ile	Phe	Ser	Ala	Ser
	195						200					205			
Val	Thr	Ile	Ile	Thr	Val	Phe	Val	Ile	Ala	Ile	Ser	Tyr	Thr	Tyr	Ile
	210					215					220				
Leu	Ile	Thr	Ile	Leu	Lys	Met	Arg	Ser	Thr	Glu	Gly	Arg	His	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Thr	Ser	Tyr	Leu	Thr	Ala	Val	Thr	Leu	Phe	Tyr	Gly
			245						250					255	
Thr	Val	Thr	Phe	Ile	Tyr	Val	Val	Pro	Lys	Ser	Asn	Tyr	Ser	Thr	Asp
		260					265						270		
Gln	Asn	Lys	Val	Ala	Ser	Val	Phe	Tyr	Ile	Val	Val	Ile	Pro	Met	Leu
	275						280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Asp	Ile	Lys	Gly	Ala	Leu
	290					295					300				
Lys	Arg	Gln	Leu	Gly	Lys	Lys	Thr	Phe	Ser						
305					310										

<210> 1940

<211> 314

<212> PRT

<213> Mus musculus

<400> 1940

Met	Ala	Phe	Ile	Tyr	Asn	Gly	Ser	Gln	Thr	Thr	Val	Thr	Glu	Phe	Ile
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Leu	Leu	Gly	Leu	Thr	Asp	Asp	Pro	Val	Leu	Lys	Val	Ile	Leu	Phe	Cys
		20						25					30		
Ile	Ile	Leu	Cys	Ile	Tyr	Leu	Val	Thr	Val	Phe	Gly	Asn	Leu	Ser	Thr
		35					40					45			

Ile	Leu	Leu	Ile	Gly	Val	Ser	Ser	Lys	Leu	His	His	Pro	Met	Tyr	Phe
50						55				60					
Phe	Leu	Ser	His	Leu	Ala	Ser	Val	Asp	Met	Gly	Leu	Ser	Ser	Ser	Val
65					70					75					80
Thr	Pro	Asn	Met	Leu	Val	Asn	Phe	Leu	Thr	Glu	Lys	Asn	Thr	Ile	Ser
				85					90					95	
Tyr	Leu	Gly	Cys	Gly	Ile	Gln	Leu	Ser	Ser	Ala	Ala	Phe	Phe	Gly	Ala
			100					105						110	
Val	Glu	Phe	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Leu	Val	Ala
		115					120					125			
Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Ser	Thr	Lys	Met	Ser	Ser	Gln	Val	Cys
	130					135					140				
Ile	Gln	Leu	Val	Ala	Gly	Ser	Tyr	Val	Gly	Gly	Phe	Leu	Asn	Ala	Ser
145					150					155					160
Phe	Val	Thr	His	Phe	Phe	Phe	Ser	Phe	Leu	Phe	Cys	Gly	Pro	Asn	Arg
				165					170					175	
Val	Asn	His	Phe	Phe	Cys	Asp	Leu	Ser	Pro	Met	Met	Glu	Leu	Ser	Cys
			180					185					190		
Ser	Asp	Val	Ser	Ile	Ser	Glu	Ile	Val	Ile	Ser	Phe	Ser	Ala	Gly	Ser
	195						200						205		
Phe	Thr	Met	Thr	Thr	Leu	Phe	Val	Ile	Val	Ile	Pro	Tyr	Phe	Tyr	Ile
	210					215					220				
Phe	Ile	Thr	Ile	Leu	Lys	Ile	Arg	Ser	Thr	Glu	Gly	Arg	Gln	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Thr	Ser	His	Leu	Thr	Ala	Val	Thr	Leu	Tyr	Tyr	Gly
			245						250					255	
Thr	Ile	Ile	Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Thr	Tyr	Ser	Arg	Asp
			260					265						270	
Gln	Asn	Lys	Val	Val	Ser	Leu	Phe	Tyr	Met	Leu	Val	Ile	Pro	Val	Leu
	275						280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Asn	Glu	Ile	Lys	Asp	Ala	Leu
	290					295					300				
Lys	Arg	Gln	Phe	Tyr	Arg	Lys	Thr	Leu	Leu						
305						310									

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 <212> PRT
 <213> Mus musculus

<400> 1941															
Met	Asn	Gly	Gly	Asn	His	Thr	Ser	Met	Thr	Glu	Leu	Phe	Ile	Leu	Gly
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Pro	Thr	Glu	Asp	Pro	Thr	Phe	Cys	Ile	Ala	Phe	Phe	Val	Ile	Phe	Leu
			20					25					30		
Gly	Val	Tyr	Met	Val	Thr	Leu	Val	Gly	Asn	Ile	Ser	Ile	Ile	Thr	Leu
		35					40					45			
Ile	Arg	Ile	Ser	Ser	Gln	Leu	His	Thr	Pro	Val	Tyr	Leu	Phe	Leu	Asn
	50					55					60				
His	Leu	Ala	Phe	Val	Asp	Ile	Leu	Tyr	Ser	Thr	Leu	Val	Ser	Val	Ile
65					70					75					80
Met	Leu	Met	Glu	Leu	Leu	Glu	His	Glu	Leu	Ala	Leu	Pro	Val	Ala	Ala
			85					90						95	
Cys	Ala	Ala	Glu	Leu	Cys	Ile	Thr	Val	Leu	Phe	Gly	Ser	Ser	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Cys	Tyr	Val	Ala	Ile	Cys	Ser

	115					120					125				
Pro	Leu	Leu	Tyr	Ser	Thr	Leu	Met	Ser	Ser	Arg	Val	Cys	Phe	Leu	Leu
	130					135					140				
Leu	Gly	Met	Ser	Tyr	Val	Gly	Gly	Cys	Met	Asn	Gly	Trp	Ile	Phe	Thr
145					150					155					160
Gly	Cys	Leu	Leu	Asn	Leu	Ser	Phe	Tyr	Gly	Pro	Tyr	Gln	Ile	Asp	His
				165					170					175	
Phe	Phe	Cys	Asp	Phe	Ser	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Ser	Asp	Val
			180						185				190		
Ser	Ile	Ile	Gly	Ile	Ile	Pro	Ser	Ile	Ser	Ser	Gly	Ser	Ile	Ile	Val
		195					200					205			
Val	Thr	Val	Leu	Val	Ile	Ala	Val	Phe	Tyr	Ile	Cys	Ile	Leu	Met	Thr
	210					215					220				
Ile	Leu	Lys	Met	His	Ser	Thr	Asp	Gly	Cys	His	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Asn	Ser	Tyr	Leu	Thr	Ala	Val	Thr	Leu	Tyr	Tyr	Gly	Thr	Ile	Thr
				245					250					255	
Phe	Ile	Tyr	Val	Met	Pro	Lys	Ser	Asn	Tyr	Ser	Thr	Glu	Lys	Asn	Lys
			260					265					270		
Val	Leu	Ser	Glu	Phe	Tyr	Thr	Val	Val	Ile	Pro	Met	Leu	Asn	His	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Lys	Asn	Arg	Asp	Val	Lys	Asp	Ala	Leu	Arg	Lys	Ala
	290					295					300				
Ile	Val	Arg	Val	Tyr	Thr										
305					310										

<210> 1942
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1942

Met	Glu	Ile	Lys	Asn	Ser	Ser	Val	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly
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Leu	Thr	Gln	Ser	Gln	Glu	Ala	Gln	Leu	Leu	Val	Phe	Ala	Leu	Ile	Ser
		20					25						30		
Val	Phe	Tyr	Leu	Ile	Ile	Leu	Pro	Gly	Asn	Phe	Leu	Ile	Ile	Phe	Thr
	35					40					45				
Ile	Arg	Ser	Asp	Ser	Gly	Leu	Thr	Ala	Pro	Leu	Tyr	Phe	Phe	Leu	Gly
	50				55						60				
Asn	Leu	Ala	Phe	Leu	Asp	Ala	Ser	Tyr	Ser	Phe	Ile	Val	Ala	Pro	Arg
65				70					75					80	
Met	Leu	Val	Asp	Phe	Phe	Cys	Glu	Lys	Lys	Val	Ile	Ser	Tyr	Lys	Ala
			85						90					95	
Cys	Ile	Thr	Gln	Leu	Phe	Phe	Leu	His	Phe	Leu	Gly	Ala	Gly	Glu	Met
		100						105					110		
Phe	Leu	Leu	Val	Val	Met	Ala	Val	Asp	Arg	Tyr	Ile	Ala	Ile	Cys	Arg
		115					120					125			
Pro	Leu	Tyr	Tyr	Ser	Thr	Leu	Met	Asn	Pro	Arg	Val	Cys	Tyr	Ala	Leu
	130					135					140				
Leu	Leu	Ala	Leu	Trp	Leu	Gly	Gly	Phe	Ala	His	Ser	Ile	Val	Gln	Val
145					150					155					160
Ala	Leu	Ile	Leu	Asn	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Gln	Leu	Asp	Asn
			165						170					175	
Phe	Phe	Cys	Asp	Val	Pro	Gln	Val	Val	Lys	Leu	Ala	Cys	Thr	Asp	Thr
			180					185					190		

Phe Ala Val Glu Leu Leu Met Val Ser Asn Ser Gly Leu Leu Thr Leu
195 200 205
Leu Cys Phe Leu Gly Leu Leu Ala Ser Tyr Ala Val Ile Leu Tyr His
210 215 220
Val Lys Gly His Ser Ser Glu Gly Lys Ser Lys Ala Ile Ser Thr Cys
225 230 235 240
Thr Thr His Ile Ile Val Phe Leu Met Phe Gly Pro Ala Ile Phe
245 250 255
Ile Tyr Thr Arg Pro Phe Gln Ala Leu Gln Ala Asp Lys Val Val Ser
260 265 270
Leu Phe His Thr Val Ile Phe Pro Leu Met Asn Pro Val Ile Tyr Thr
275 280 285
Leu Arg Asn Gln Glu Val Lys Thr Ser Met Arg Lys Leu Leu Ser Gln
290 295 300
Tyr Val Ile Cys
305

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<400> 1943
Met Met Asn Val Ala Asn Lys Ser Val Val Thr Glu Phe Val Leu Leu
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Gly Leu Ser Asn Ser Trp Glu Leu Gln Ile Phe Phe Phe Ile Val Phe
20 25 30
Ser Leu Phe Tyr Val Ala Thr Met Val Ser Asn Ser Met Ile Val Leu
35 40 45
Ile Val Ile Ser Asp Ser His Leu His Ser Ala Met Tyr Phe Leu Leu
50 55 60
Thr Asn Leu Ser Ile Ile Asp Met Ser Leu Ala Ser Phe Ala Thr Pro
65 70 75 80
Lys Met Ile Ile Asp Tyr Leu Thr Asp His Lys Thr Ile Ser Phe Asp
85 90 95
Gly Cys Ile Ala Gln Ile Phe Phe Leu His Leu Phe Thr Gly Thr Glu
100 105 110
Ile Ile Leu Met Ala Met Ser Phe Asp Arg Tyr Ile Ala Ile Cys
115 120 125
Lys Pro Leu Arg Tyr Ala Ser Ile Ile Ser Pro Gln Val Cys Ile Ala
130 135 140
Phe Val Val Ser Ser Trp Ile Val Gly Thr Met His Ser Met Ser Gln
145 150 155 160
Val Ile Phe Ala Leu Thr Leu Pro Phe Cys Gly Pro Asn Lys Ile Asp
165 170 175
Ser Phe Phe Cys Asp Leu Pro Val Val Phe Gln Leu Ser Cys Val Asp
180 185 190
Thr Tyr Val Leu Gly Leu Phe Met Ile Ser Thr Ser Gly Ile Ile Ala
195 200 205
Leu Ser Cys Phe Ile Leu Leu Phe Asn Ser Tyr Ile Ile Val Leu Val
210 215 220
Thr Ile Lys His His Ser Ser Lys Gly Ser Ser Lys Ala Leu Ser Thr
225 230 235 240
Cys Thr Ala His Phe Ile Val Val Phe Met Phe Phe Gly Pro Cys Ile
245 250 255
Phe Ile Tyr Met Trp Pro Gln Asn Ser Phe Val Ile Glu Lys Ile Leu

<210> 1945
 <211> 322
 <212> PRT
 <213> Mus musculus

<400> 1945
 Met Ala Thr Ser Val His Arg Asn Gly Ser Leu Thr Pro Val Ser Leu
 1 5 10 15
 Gln Gly Phe Val Leu Val Gly Phe Gly Gly Ser Ala Glu Thr Gln Ala
 20 25 30
 Leu Leu Phe Ala Val Phe Leu Val Leu Tyr Val Val Thr Ile Leu Gly
 35 40 45
 Asn Leu Thr Met Ile Met Val Ile Thr Leu Asp Ala Arg Leu His Ser
 50 55 60
 Pro Met Tyr Phe Phe Leu Lys Asn Leu Ser Phe Val Asp Leu Cys Leu
 65 70 75 80
 Ser Ser Val Ile Ile Pro Asn Ala Leu Ala Asn Ile Phe Ser Ser Ser
 85 90 95
 Lys Thr Ile Ser Phe Ala Gly Cys Ala Thr Gln Phe Phe Phe Phe Ser
 100 105 110
 Leu Leu Ala Ala Thr Glu Ala Val Leu Leu Ala Val Met Ala Tyr Asp
 115 120 125
 Arg Phe Met Ala Ile Cys Ser Pro Leu Arg Tyr Pro Val Thr Met Cys
 130 135 140
 Pro Met Thr Cys Ala Arg Leu Val Leu Gly Thr Phe Cys Val Ala Cys
 145 150 155 160
 Leu Asn Ser Ile Val Gln Thr Ser Leu Thr Phe Gln Leu Pro Phe Cys
 165 170 175
 Ser Ser Asn Tyr Ile Asp Tyr Phe Phe Cys Asp Val Pro Pro Leu Leu
 180 185 190
 Gln Leu Ala Cys Ala Ser Thr Ala Ile Asn Glu Leu Val Met Phe Gly
 195 200 205
 Ile Cys Gly Phe Ile Ile Val Cys Ala Val Phe Val Val Ile Ile Ser
 210 215 220
 Tyr Gly Tyr Ile Thr Val Thr Ile Leu Arg Met Arg Ser Gly Ser Gly
 225 230 235 240
 Arg His Lys Val Phe Ser Thr Cys Gly Ser His Met Thr Ala Val Ser
 245 250 255
 Leu Phe Tyr Gly Thr Gly Phe Val Ile Tyr Gly Gln Pro Gly Gly Val
 260 265 270
 Ala Ser Met Glu Gln Gly Lys Val Ser Thr Ile Tyr Thr Leu Val
 275 280 285
 Ile Pro Met Leu Asn Pro Leu Ile Tyr Ser Leu Arg Asn Lys Asp Val
 290 295 300
 Lys Asp Ala Leu Arg Arg Leu Gly Gln Arg His Ser Leu Val Lys Glu
 305 310 315 320
 Ser Gly

<210> 1946
 <211> 323
 <212> PRT
 <213> Mus musculus

<400> 1946
 Met Ala Ile Ala Val Tyr Arg Asn Gly Ser Leu Ser Ala Val Ser Leu

1				5				10					15				
Gln	Gly	Phe	Val	Leu	Val	Gly	Phe	Gly	Gly	Gly	Ala	Glu	Thr	Gln	Ala		
			20					25					30				
Leu	Leu	Phe	Ala	Val	Phe	Leu	Val	Leu	Tyr	Val	Val	Thr	Ile	Leu	Gly		
		35					40					45					
Asn	Leu	Thr	Met	Ile	Val	Val	Ile	Thr	Leu	Asp	Ala	Arg	Leu	His	Ser		
	50					55					60						
Pro	Met	Tyr	Phe	Phe	Leu	Lys	Asn	Leu	Ser	Phe	Val	Asp	Leu	Cys	Tyr		
65					70					75					80		
Ser	Ser	Ala	Ile	Ala	Pro	Asn	Ala	Leu	Ala	Asn	Phe	Leu	Ser	Thr	Ser		
				85					90					95			
Lys	Val	Ile	Ser	Phe	Glu	Ala	Cys	Ala	Thr	Gln	Leu	Phe	Phe	Phe	Ser		
			100					105						110			
Leu	Leu	Ala	Thr	Thr	Glu	Ala	Phe	Leu	Leu	Ala	Val	Met	Ala	Tyr	Asp		
		115					120					125					
Arg	Phe	Met	Ala	Ile	Cys	Ser	Pro	Leu	Arg	Tyr	Pro	Val	Thr	Met	Cys		
	130					135					140						
Pro	Thr	Thr	Cys	Thr	Arg	Leu	Val	Leu	Gly	Thr	Tyr	Cys	Gly	Gly	Cys		
145					150					155					160		
Leu	Asn	Ser	Ile	Val	Gln	Thr	Ser	Leu	Thr	Phe	Gln	Leu	Pro	Phe	Cys		
				165					170					175			
Ser	Ser	Asn	Arg	Ile	Asp	His	Phe	Tyr	Cys	Asp	Val	Pro	Pro	Leu	Leu		
		180						185					190				
Gln	Leu	Ala	Cys	Ala	Ser	Thr	Ala	Leu	Asn	Glu	Leu	Phe	Leu	Phe	Gly		
		195					200				205						
Leu	Cys	Gly	Phe	Ile	Ile	Val	Ser	Thr	Thr	Leu	Ala	Val	Leu	Val	Ser		
	210					215					220						
Tyr	Gly	Tyr	Ile	Thr	Val	Thr	Ile	Leu	Arg	Met	His	Ser	Gly	Ser	Gly		
225					230					235					240		
Arg	His	Lys	Val	Phe	Ser	Thr	Cys	Gly	Ser	His	Met	Met	Ala	Val	Ser		
				245					250					255			
Leu	Phe	Tyr	Gly	Thr	Val	Phe	Val	Met	Tyr	Ala	Gln	Pro	Gly	Ala	Val		
			260					265					270				
Ala	Ser	Met	Ala	Gln	Gly	Lys	Val	Ile	Ser	Val	Phe	Tyr	Thr	Leu	Val		
		275					280					285					
Ile	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val		
	290					295					300						
Lys	Asp	Ala	Leu	Arg	Arg	Leu	Gly	Gln	Arg	His	Ser	Leu	Val	Lys	Lys		
305					310					315					320		
Gly	Gly	Lys															

<210> 1947
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1947
 Met Met Thr Leu Ser Trp Glu Asn Gln Thr Val Ile Val Glu Phe Val
 1 5 10 15
 Leu Arg Gly Phe Ser Ser Ile Leu Gln Leu Asn Ile Ser Leu Phe Ile
 20 25 30
 Met Phe Cys Ile Phe Tyr Ile Leu Thr Ile Ser Gly Asn Ile Leu Ile
 35 40 45
 Val Phe Leu Val Leu Cys Asn His Ala Leu His Thr Pro Met Tyr Phe
 50 55 60

Phe	Leu	Val	Asn	Leu	Ser	Phe	Leu	Glu	Val	Cys	Tyr	Thr	Ser	Asn	Ile
65					70					75					80
Val	Pro	Lys	Met	Leu	Leu	Ile	Ile	Ile	Ala	Asp	Gln	Lys	Thr	Ile	Ser
				85					90					95	
Val	Val	Gly	Cys	Leu	Ala	Gln	Phe	Tyr	Phe	Phe	Gly	Ser	Leu	Ala	Ala
			100					105					110		
Thr	Glu	Cys	Leu	Leu	Leu	Ala	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Leu	Ala
		115					120					125			
Ile	Cys	Gln	Pro	Leu	Arg	Tyr	Pro	Ile	Leu	Met	Thr	Gly	Ser	Leu	Cys
	130					135					140				
Phe	Arg	Leu	Ala	Ile	Gly	Ser	Trp	Phe	Cys	Cys	Phe	Phe	Leu	Thr	Ala
145					150					155					160
Ile	Thr	Met	Val	Leu	Leu	Cys	Arg	Gln	Asn	Phe	Cys	Gly	Pro	Asn	Glu
			165						170					175	
Ile	Asp	His	Phe	Phe	Cys	Asp	Phe	Ala	Pro	Leu	Ile	His	Leu	Ser	Cys
			180					185					190		
Met	Asp	Thr	Ser	Leu	Ile	Glu	Thr	Val	Ala	Phe	Ala	Thr	Ser	Ser	Ala
	195						200						205		
Val	Thr	Leu	Val	Pro	Phe	Phe	Leu	Ile	Thr	Ile	Ser	Tyr	Ser	Cys	Ile
	210					215					220				
Leu	Ile	Ala	Ile	Leu	Arg	Ile	Pro	Ser	Gly	Thr	Gly	Arg	Lys	Lys	Ala
225					230					235					240
Phe	Ser	Thr	Cys	Ser	Ser	His	Leu	Thr	Val	Val	Thr	Val	Phe	Tyr	Gly
			245						250					255	
Thr	Leu	Ile	Ala	Thr	Tyr	Leu	Val	Pro	Ser	Ala	Asn	Ser	Ser	Gln	Tyr
			260					265					270		
Leu	Arg	Lys	Gly	Phe	Ser	Leu	Leu	Tyr	Thr	Ile	Leu	Thr	Pro	Met	Phe
		275					280					285			
Asn	Pro	Ile	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Ile	His	Glu	Ala	Leu
	290					295					300				
Lys	Lys	Cys	Leu	Ser	Lys	Lys	Ser	Asp	Phe	Leu	Ile				
305					310					315					

<210> 1948
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1948

Met	Val	Glu	Asn	Phe	Asn	Ala	Ser	Trp	Glu	Gly	Tyr	Phe	Ile	Phe	Leu
1				5					10					15	
Gly	Phe	Ser	Lys	Trp	Pro	His	Leu	Glu	Val	Val	Leu	Phe	Val	Val	Ile
			20					25					30		
Leu	Ile	Phe	Tyr	Met	Met	Thr	Leu	Met	Gly	Asn	Leu	Phe	Ile	Ile	Ile
		35				40						45			
Leu	Ser	His	Leu	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Ser	Asn	Leu	Ser	Ala	Leu	Asp	Leu	Cys	Tyr	Thr	Thr	Ser	Ser	Val	Pro
65				70					75						80
Gln	Leu	Leu	Phe	Asn	Leu	Trp	Gly	Pro	Lys	Lys	Thr	Ile	Ser	Tyr	Ala
			85					90						95	
Gly	Cys	Met	Leu	Gln	Leu	Tyr	Phe	Val	Leu	Ala	Leu	Gly	Thr	Thr	Glu
		100					105						110		
Cys	Val	Leu	Val	Val	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	
	115					120					125				
Lys	Pro	Leu	His	Tyr	Ser	Val	Leu	Met	Asn	Pro	Arg	Phe	Cys	Gln	Leu

130	135	140
Leu Ala Ala Ala Ser Trp	Val Cys Gly Phe Thr	Thr Ser Ala Leu His
145	150	155
Ser Ser Phe Thr Phe	Trp Val Pro Leu Cys Gly	His Arg Lys Val Asp
	165	170
His Phe Phe Cys Glu	Val Pro Ala Leu Leu Gln	Leu Ser Cys Val Asp
	180	185
Ile His Ala Asn Glu	Met Thr Leu Met Val Met	Ser Ala Ile Phe Val
	195	200
Val Ile Pro Leu Ile	Leu Ile Leu Ser Ser Tyr	Ala Ala Ile Ala Trp
	210	215
Thr Val Leu Glu Met	Gln Ser Thr Thr Arg	Leu Gln Lys Val Phe Gly
225	230	235
Thr Cys Gly Ala His	Leu Thr Val Val Ser	Leu Phe Phe Ile Pro Ile
	245	250
Met Cys Ile Tyr Leu	Gln Pro Ser Thr Lys	Ser Ser Gln Asp His Ala
	260	265
Lys Phe Ile Ala Leu	Phe Tyr Thr Val Val	Thr Pro Ser Leu Asn Pro
	275	280
Leu Ile Tyr Thr Leu	Arg Asn Lys Asp Val	Arg Gly Ala Ile Arg Arg
	290	295
Leu Ser Arg Tyr Glu	Arg Glu Lys	
305	310	

<210> 1949
 <211> 317
 <212> PRT
 <213> Mus musculus

<400> 1949

Met Thr Ile Asn Lys Ser Ser Gly Gly Asp Phe Ile Leu Val Gly Phe	
1 5 10 15	
Ser Asp Gln Pro Gln Leu Glu Lys Ile Leu Phe Val Leu Val Leu Ile	
20 25 30	
Ser Tyr Leu Leu Thr Leu Val Gly Asn Thr Ala Ile Ile Leu Val Ser	
35 40 45	
Cys Leu Asp Ser Ala Leu Gln Thr Pro Met Tyr Tyr Phe Leu Thr Asn	
50 55 60	
Leu Ser Phe Val Asp Ile Cys Phe Ser Thr Ser Ile Val Pro Gln Leu	
65 70 75 80	
Leu Trp Asn Leu His Gly Pro Ala Lys Thr Ile Thr Ala Thr Gly Cys	
85 90 95	
Ala Ile Gln Leu Tyr Val Ser Leu Ala Leu Gly Ser Thr Glu Cys Val	
100 105 110	
Leu Leu Ala Val Met Ala Phe Asp Arg Tyr Ala Ala Val Cys Arg Pro	
115 120 125	
Leu His Tyr Ala Thr Val Met His Pro Arg Leu Cys Gln Ser Leu Ala	
130 135 140	
Gly Val Ala Trp Leu Ser Gly Val Gly Asn Thr Leu Ile Gln Gly Thr	
145 150 155 160	
Ile Thr Leu Arg Leu Pro Arg Cys Gly Asn His Lys Ile Tyr His Phe	
165 170 175	
Ile Cys Glu Val Pro Ala Met Ile Lys Leu Ala Cys Val Asp Ile His	
180 185 190	
Ala Asn Glu Val Gln Leu Phe Met Ala Ser Leu Val Leu Leu Leu Leu	
195 200 205	

Pro	Leu	Thr	Leu	Ile	Leu	Val	Ser	Tyr	Gly	Tyr	Ile	Ala	Gln	Ala	Leu
210						215					220				
Met	Arg	Leu	Arg	Ser	Ala	Leu	Thr	Trp	Gly	Lys	Ala	Leu	Gly	Thr	Cys
225					230					235					240
Gly	Ser	His	Met	Leu	Val	Val	Val	Leu	Phe	Tyr	Gly	Thr	Ile	Thr	Ala
			245						250					255	
Ile	Tyr	Ile	Gln	Pro	Asn	Ser	Ser	Tyr	Ala	His	Ser	Gln	Gly	Lys	Phe
			260					265					270		
Ile	Thr	Leu	Leu	Tyr	Thr	Val	Val	Ile	Pro	Thr	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Lys	Arg	Leu	Val
	290					295					300				
Arg	Lys	Asn	Asn	Ser	Thr	Gly	Lys	Lys	Ile	Leu	Ser	Arg			
305					310					315					

<210> 1950
 <211> 306
 <212> PRT
 <213> Mus musculus

<400> 1950

Met	Glu	Val	Asn	Arg	Thr	Leu	Val	Thr	Ala	Phe	Ile	Leu	Arg	Gly	Ile
1			5						10					15	
Thr	Asp	Leu	Pro	Glu	Leu	Gln	Val	Pro	Met	Phe	Leu	Val	Phe	Phe	Phe
			20					25					30		
Ile	Tyr	Val	Thr	Thr	Met	Val	Gly	Asn	Leu	Gly	Leu	Ile	Val	Leu	Ile
		35					40					45			
Trp	Lys	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Gly	Ser
	50					55					60				
Leu	Ala	Phe	Ala	Asp	Ala	Cys	Thr	Ser	Ser	Ser	Val	Thr	Pro	Arg	Met
65					70					75					80
Leu	Val	Asn	Ile	Leu	Asp	Asn	Gly	Lys	Met	Ile	Ser	Leu	Ser	Glu	Cys
			85					90						95	
Met	Ala	Gln	Tyr	Tyr	Val	Phe	Gly	Ser	Ser	Ala	Thr	Thr	Glu	Cys	Phe
			100					105					110		
Leu	Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn	Pro
		115					120					125			
Leu	Leu	Tyr	Leu	Val	Val	Met	Ser	Asn	Arg	Val	Cys	Thr	Cys	Leu	Ile
	130					135					140				
Ser	Gly	Ser	Tyr	Ile	Ile	Gly	Phe	Leu	His	Pro	Leu	Ile	His	Val	Gly
145				150						155					160
Leu	Leu	Phe	Arg	Leu	Thr	Phe	Cys	Lys	Ser	Asn	Ile	Ile	Asp	His	Phe
			165					170					175		
Tyr	Cys	Glu	Ile	Leu	Pro	Leu	Tyr	Thr	Ile	Ser	Cys	Thr	Asp	Pro	Ser
			180					185					190		
Ile	Asn	Ala	Phe	Val	Val	Phe	Ile	Phe	Ala	Ala	Val	Ile	Gln	Ala	Val
		195					200					205			
Thr	Phe	Met	Ser	Ile	Ala	Val	Ser	Tyr	Ala	His	Val	Leu	Phe	Ser	Ile
	210					215					220				
Leu	Lys	Thr	Lys	Ser	Glu	Lys	Gly	Arg	Arg	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Ser	Ala	His	Leu	Leu	Ser	Val	Ser	Leu	Phe	Tyr	Gly	Thr	Leu	Phe	Phe
			245						250					255	
Met	Tyr	Val	Ser	Pro	Gly	Ser	Gly	Pro	Ser	Lys	Tyr	Lys	Asn	Lys	Met
			260					265					270		
Tyr	Ser	Leu	Phe	Tyr	Thr	Ile	Val	Ile	Pro	Leu	Leu	Asn	Pro	Phe	Ile

		275					280				285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Leu	Gly	Ala	Leu	Arg	Lys	Ile Met
	290					295					300			
Lys	Pro													
305														

<210> 1951
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1951

Met	Glu	Lys	Lys	Asn	Glu	Thr	Leu	Trp	Thr	Glu	Phe	Val	Leu	Thr	Gly
1				5					10					15	
Leu	Thr	Cys	Leu	Pro	Gln	Trp	Lys	Pro	Leu	Leu	Phe	Leu	Val	Phe	Leu
		20					25					30			
Val	Ile	Tyr	Phe	Met	Thr	Ile	Val	Gly	Asn	Leu	Gly	Leu	Ile	Thr	Leu
	35					40					45				
Ile	Trp	Asn	Asp	Pro	His	Leu	His	Ile	Pro	Met	Tyr	Leu	Phe	Leu	Ser
	50				55						60				
Asn	Leu	Ala	Phe	Val	Asp	Thr	Trp	Leu	Ser	Ser	Thr	Val	Thr	Pro	Arg
65				70					75					80	
Met	Leu	Phe	Asn	Leu	Asp	Lys	Gly	Lys	Val	Ile	Ser	Val	Ala	Glu	
			85				90						95		
Cys	Lys	Thr	Gln	Phe	Phe	Ser	Phe	Ala	Ile	Ser	Val	Thr	Thr	Glu	Cys
		100					105					110			
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Asn
	115					120					125				
Pro	Leu	Leu	Tyr	Pro	Val	Ile	Met	Thr	Asn	Arg	Leu	Cys	Val	Arg	Leu
	130				135						140				
Leu	Ala	Leu	Ser	Phe	Ile	Gly	Gly	Phe	Leu	His	Ala	Val	Ile	His	Glu
145				150					155					160	
Ser	Phe	Leu	Ser	Arg	Leu	Thr	Phe	Cys	Asn	Ser	Asn	Ile	Ile	Tyr	His
			165				170						175		
Phe	Tyr	Cys	Asp	Val	Ile	Pro	Leu	Leu	Lys	Ile	Ser	Cys	Thr	Asp	Pro
	180					185						190			
Ser	Leu	Asn	Tyr	Leu	Ile	Ile	Phe	Ile	Phe	Ser	Gly	Ser	Ile	Gln	Val
	195				200						205				
Phe	Thr	Ile	Met	Thr	Val	Leu	Ile	Ser	Tyr	Thr	Phe	Val	Leu	Phe	Thr
	210				215					220					
Ile	Leu	Lys	Lys	Lys	Ser	Asp	Lys	Gly	Ile	Arg	Lys	Ala	Phe	Ser	Thr
225				230					235					240	
Cys	Gly	Ala	His	Leu	Leu	Ser	Val	Ser	Leu	Tyr	Tyr	Gly	Pro	Leu	Leu
			245				250						255		
Phe	Met	Tyr	Val	His	Pro	Ala	Ser	Ser	Glu	Val	Asp	Asp	Gln	Asp	Met
	260					265						270			
Ile	Leu	Ser	Leu	Phe	Tyr	Thr	Val	Ile	Ile	Pro	Val	Leu	Asn	Pro	Ile
	275					280					285				
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Gln	Val	Ile	Asp	Ser	Leu	Lys	Lys	Met
	290				295						300				
Leu	Lys	Met	Met	Val											
305															

<210> 1952
 <211> 309

<212> PRT
<213> Mus musculus

<400> 1952

Met	Gly	Thr	Glu	Asn	Thr	Thr	Leu	Leu	Thr	Glu	Phe	Val	Leu	Thr	Gly
1				5					10					15	
Leu	Ser	His	Gln	Pro	Gln	Trp	Lys	Ile	Pro	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Val	Ile	Tyr	Leu	Ile	Thr	Ile	Val	Gly	Asn	Leu	Gly	Leu	Ile	Ile	Leu
		35					40					45			
Ile	Trp	Asn	Asp	Pro	Arg	Leu	Gln	Ile	Pro	Met	Tyr	Leu	Phe	Leu	Gly
	50					55					60				
Cys	Leu	Ala	Leu	Val	Asp	Thr	Leu	Leu	Ser	Ser	Thr	Val	Thr	Pro	Lys
65					70					75					80
Met	Leu	Leu	Thr	Phe	Thr	Ala	Lys	Ser	Lys	Leu	Ile	Ser	Leu	Ser	Glu
				85					90					95	
Cys	Met	Ile	Gln	Phe	Phe	Ser	Phe	Val	Met	Cys	Ala	Thr	Met	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Leu	Tyr	Pro	Val	Ile	Met	Thr	Asn	Arg	Leu	Cys	Val	Arg	Leu
	130					135					140				
Leu	Val	Leu	Thr	Phe	Val	Thr	Gly	Ile	Leu	His	Ala	Ser	Ile	His	Glu
145					150					155					160
Gly	Met	Leu	Cys	Arg	Leu	Thr	Phe	Cys	Asn	Ser	Asn	Val	Ile	His	His
				165					170					175	
Phe	Tyr	Cys	Asp	Val	Met	Pro	Leu	Leu	Lys	Ile	Ser	Cys	Thr	Asp	Pro
			180					185					190		
Ser	Leu	Asn	Tyr	Leu	Ile	Val	Phe	Ile	Phe	Ser	Gly	Ser	Ile	Gln	Val
		195					200					205			
Phe	Thr	Ile	Ser	Thr	Ile	Leu	Gly	Ser	Tyr	Thr	Leu	Val	Leu	Phe	Thr
	210					215					220				
Ile	Leu	Lys	Lys	Lys	Ser	Ala	Lys	Gly	Ile	Lys	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Gly	Ala	His	Leu	Leu	Ser	Val	Cys	Leu	Tyr	Tyr	Gly	Ser	Leu	Leu
				245					250					255	
Phe	Met	Tyr	Leu	Leu	Pro	Ala	Ser	Gln	Lys	Ala	Gln	Asp	Glu	Asp	Met
			260					265					270		
Met	Asp	Ser	Val	Phe	Tyr	Thr	Val	Ile	Ile	Pro	Val	Met	Asn	Pro	Ile
		275					280						285		
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Gln	Ile	Lys	Asp	Ser	Leu	Glu	Lys	Phe
	290					295					300				
Leu	Lys	Arg	Asn	Val											
305															

<210> 1953
<211> 313
<212> PRT
<213> Mus musculus

<400> 1953

Met	Ala	Asn	Ser	Thr	Thr	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Ser
1				5					10					15	
Asp	Ala	Cys	Glu	Leu	Gln	Val	Leu	Ile	Phe	Leu	Gly	Phe	Leu	Leu	Thr
			20					25					30		
Tyr	Phe	Leu	Ile	Leu	Leu	Gly	Asn	Phe	Leu	Ile	Ile	Phe	Ile	Thr	Leu

Ile	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Lys	Pro
	115						120					125			
Leu	Leu	Tyr	Gln	Val	Thr	Met	Ser	His	Gln	Val	Cys	Leu	Leu	Met	Thr
	130					135					140				
Val	Gly	Met	Tyr	Val	Met	Gly	Leu	Val	Gly	Ala	Ile	Ala	His	Ile	Val
145					150					155					160
Cys	Met	Leu	Arg	Leu	Thr	Phe	Cys	Glu	Gly	His	Ile	Ile	Asn	His	Tyr
				165					170					175	
Met	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ser	Cys	Thr	Ser	Thr	Tyr
			180					185					190		
Ile	Asn	Glu	Leu	Val	Val	Phe	Ile	Val	Val	Gly	Val	Asn	Val	Ile	Val
	195						200					205			
Pro	Thr	Leu	Thr	Ile	Phe	Ile	Thr	Tyr	Thr	Leu	Ile	Leu	Ser	Asn	Ile
	210					215					220				
Leu	Ser	Ile	His	Ser	Ala	Glu	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr	Cys
225					230					235					240
Gly	Ser	His	Val	Ile	Ala	Val	Ser	Leu	Phe	Phe	Gly	Ala	Ala	Ala	Phe
				245					250					255	
Met	Tyr	Leu	Lys	Pro	Ser	Ser	Ala	Ser	Val	Asp	Glu	Glu	Lys	Leu	Ser
		260						265					270		
Thr	Ile	Phe	Tyr	Thr	Ile	Val	Gly	Pro	Met	Leu	Asn	Pro	Phe	Ile	Tyr
	275						280					285			
Ser	Ile	Arg	Asn	Lys	Asp	Val	His	Ile	Ala	Leu	Arg	Lys	Thr	Leu	Lys
	290					295					300				
Lys	Ser	Met	Phe	Thr											
305															

<210> 1955
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1955

Met	Thr	Leu	Glu	Arg	Met	Ala	Phe	Ser	Asn	Asp	Ser	Ser	Val	Lys	Glu
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Phe	Ile	Leu	Leu	Gly	Leu	Thr	Gln	Gln	Pro	Glu	Leu	Gln	Met	Pro	Leu
		20					25						30		
Phe	Phe	Leu	Phe	Leu	Gly	Ile	Tyr	Val	Val	Ser	Met	Val	Gly	Asn	Leu
	35					40						45			
Gly	Leu	Ile	Val	Leu	Ile	Val	Leu	Asn	Pro	His	Leu	His	Thr	Pro	Met
	50				55						60				
Tyr	Tyr	Phe	Leu	Phe	Asn	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Tyr	Ser	Ser
65					70					75					80
Val	Ile	Thr	Pro	Lys	Met	Leu	Val	Gly	Phe	Val	Lys	Gln	Asn	Ile	Ile
				85					90					95	
Ser	His	Ala	Glu	Cys	Met	Thr	Gln	Leu	Phe	Phe	Phe	Ser	Phe	Phe	Val
		100						105					110		
Ile	Asp	Glu	Cys	Tyr	Ile	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala
	115					120						125			
Ala	Ile	Cys	Lys	Pro	Leu	Leu	Tyr	Gln	Val	Thr	Met	Ser	Tyr	Gln	Val
	130					135					140				
Cys	Leu	Leu	Met	Thr	Gly	Gly	Met	Tyr	Val	Met	Gly	Leu	Val	Gly	Ala
145					150					155					160
Ile	Ala	His	Ile	Val	Cys	Met	Leu	Arg	Leu	Thr	Phe	Cys	Glu	Gly	Tyr
				165					170					175	
Ile	Ile	Asn	His	Tyr	Met	Cys	Asp	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ser

			180				185			190					
Cys	Thr	Ser	Thr	Tyr	Ile	Asn	Glu	Leu	Val	Val	Phe	Ile	Val	Val	Gly
		195					200					205			
Val	Asn	Val	Ile	Val	Pro	Thr	Leu	Thr	Ile	Phe	Ile	Ser	Tyr	Thr	Leu
	210					215					220				
Ile	Leu	Ser	Asn	Ile	Leu	Ser	Ile	His	Ser	Ala	Glu	Gly	Arg	Ser	Lys
225					230					235					240
Ala	Phe	Arg	Thr	Cys	Gly	Ser	His	Phe	Ile	Ala	Val	Ser	Leu	Phe	Tyr
			245						250					255	
Gly	Ala	Ser	Ala	Phe	Met	Tyr	Leu	Lys	Pro	Ser	Ser	Ala	Ser	Val	Asp
			260					265					270		
Asp	Asp	Lys	Ile	Ser	Thr	Ile	Phe	Tyr	Ile	Ile	Val	Gly	Pro	Met	Leu
		275					280					285			
Asn	Pro	Phe	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	His	Ile	Ala	Leu
	290					295					300				
Arg	Lys	Thr	Leu	Lys	Lys	Ser	Thr	Phe	Ile						
305					310										

<210> 1956
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1956

Met	Lys	Gln	Met	Ala	Thr	Glu	Asn	Asp	Ser	Ser	Val	Ser	Glu	Phe	Ile
1			5					10					15		
Leu	Leu	Gly	Leu	Thr	Asp	Gln	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Ala
		20						25				30			
Leu	Phe	Leu	Leu	Asn	Tyr	Thr	Ala	Thr	Met	Val	Gly	Asn	Leu	Thr	Leu
	35					40					45				
Met	Ser	Leu	Ile	Leu	Val	His	Ser	Asn	Leu	His	Thr	Pro	Met	Tyr	Phe
	50					55					60				
Phe	Ile	Phe	Asn	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Tyr	Ser	Phe	Val	Phe
65				70				75						80	
Thr	Pro	Lys	Met	Leu	Met	Lys	Phe	Phe	Leu	Glu	Lys	Asn	Thr	Ile	Ser
			85					90					95		
Phe	Lys	Gly	Cys	Met	Thr	Gln	Leu	Phe	Phe	Cys	Phe	Phe	Val	Asn	
		100					105					110			
Thr	Glu	Ser	Tyr	Val	Leu	Thr	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala
	115					120					125				
Ile	Cys	Lys	Pro	Leu	Leu	Tyr	Gln	Ala	Ile	Met	Leu	Pro	Arg	Ile	Cys
	130					135					140				
Cys	Leu	Leu	Met	Phe	Met	Ser	Tyr	Leu	Met	Gly	Phe	Val	Ser	Ala	Met
145				150						155				160	
Ile	Leu	Thr	Gly	Leu	Met	Phe	Arg	Leu	Asn	Phe	Cys	Asn	Ser	Asn	Ile
			165					170					175		
Ile	Asn	His	Tyr	Met	Cys	Asp	Ile	Phe	Pro	Leu	Leu	Gln	Ile	Ser	Cys
	180							185					190		
Ser	Asp	Thr	Tyr	Leu	Asn	Glu	His	Val	Ser	Ser	Ala	Val	Val	Gly	Thr
	195					200						205			
Ala	Ile	Ile	Leu	Cys	Ser	Leu	Leu	Ile	Leu	Met	Ser	Tyr	Ala	Leu	Ile
	210					215					220				
Leu	Phe	Asn	Ile	Leu	Asn	Met	Ser	Ser	Gly	Lys	Gly	Trp	Ser	Lys	Ala
225					230					235				240	
Leu	Gly	Thr	Cys	Gly	Ser	His	Ile	Ile	Thr	Ala	Ser	Leu	Phe	Tyr	Gly
			245						250					255	

Ser	Gly	Leu	Leu	Ala	Tyr	Val	Lys	Pro	Ser	Ser	Pro	Glu	Thr	Val	Gly
			260					265					270		
Gln	Gly	Lys	Phe	Leu	Thr	Val	Phe	Tyr	Thr	Cys	Leu	Val	Pro	Val	Leu
		275					280					285			
Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Pro	Asn	Lys	Asp	Val	Lys	Ile	Ala	Met
	290					295					300				
Lys	Lys	Thr	Leu	Lys	Arg	Ile	Thr	Ser							
305					310										

<210> 1957
 <211> 331
 <212> PRT
 <213> Mus musculus

<400> 1957

Met	Leu	Leu	Gln	Met	Gln	His	Met	Lys	Gln	Met	Asn	Met	Glu	Asn	Asp
1				5					10					15	
Ser	Ser	Val	Ser	Glu	Phe	Ile	Leu	Met	Gly	Leu	Thr	Tyr	Gln	Pro	Glu
			20					25					30		
Leu	Arg	Trp	Pro	Leu	Phe	Val	Leu	Phe	Leu	Val	Asn	Tyr	Ser	Ala	Thr
	35						40					45			
Val	Met	Gly	Asn	Leu	Ser	Leu	Met	Thr	Leu	Ile	Phe	Leu	Asn	Ser	His
	50					55					60				
Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Ile	Leu	Asn	Leu	Ser	Phe	Ile	Asp
65					70				75						80
Phe	Cys	Tyr	Ser	Phe	Asp	Phe	Thr	Pro	Lys	Met	Leu	Met	Gly	Phe	Val
				85					90					95	
Ser	Glu	His	Asn	Thr	Ile	Ser	Phe	Thr	Gly	Cys	Met	Thr	Gln	Leu	Phe
			100					105					110		
Phe	Phe	Cys	Leu	Phe	Val	Asn	Ser	Glu	Cys	Tyr	Val	Leu	Thr	Ala	Met
		115				120						125			
Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Arg	Pro	Leu	Leu	Tyr	Thr	Val
	130					135					140				
Val	Met	Ser	Pro	Arg	Ala	Cys	Ser	Leu	Leu	Met	Leu	Ala	Ala	His	Leu
145					150					155					160
Met	Gly	Val	Ser	Ser	Ala	Ile	Val	His	Thr	Gly	Cys	Ile	Ile	Gln	Leu
				165					170					175	
Arg	Phe	Cys	Gly	Ser	Lys	Val	Ile	Asn	His	Tyr	Met	Cys	Asp	Thr	Phe
		180						185					190		
Pro	Leu	Leu	Glu	Leu	Ser	Cys	Gly	Ser	Ser	His	Val	Asn	Glu	Leu	Val
	195					200						205			
Ser	Ser	Val	Ser	Val	Ala	Val	Val	Val	Val	Ile	Ser	Ser	Leu	Ile	Ile
	210					215					220				
Val	Ser	Ser	Tyr	Ala	Leu	Ile	Leu	Val	Asn	Val	Met	His	Leu	Ser	Ser
225					230					235					240
Ser	Lys	Gly	Trp	Ser	Lys	Ala	Val	Ser	Thr	Cys	Ser	Ser	His	Ile	Ile
				245					250					255	
Thr	Val	Ala	Leu	Phe	Tyr	Gly	Phe	Gly	Leu	Leu	Ala	His	Ile	Lys	Pro
			260				265						270		
Ser	Ser	Ala	Glu	Ser	Val	Val	Glu	Arg	Lys	Phe	Phe	Ser	Val	Val	Tyr
		275					280					285			
Thr	Phe	Val	Leu	Pro	Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Ser	Leu	Arg	Asn
	290					295					300				
Lys	Asp	Val	Lys	Leu	Ala	Leu	Lys	Arg	Thr	Leu	Lys	Arg	Val	Thr	Ile
305					310					315					320
Gln	Gly	Lys	Cys	Leu	Cys	Cys	Ser	His	Lys	Ser					

<210> 1958
 <211> 316
 <212> PRT
 <213> Mus musculus

<400> 1958

Met	Ala	Thr	Gly	Asn	His	Tyr	Ser	Val	Thr	Glu	Phe	Ile	Leu	Thr	Gly
1				5					10					15	
Leu	Thr	Glu	Gln	Pro	Glu	Leu	Gln	Met	Pro	Leu	Phe	Phe	Leu	Phe	Leu
			20					25					30		
Val	Asn	Cys	Leu	Ile	Thr	Val	Val	Gly	Asn	Leu	Ser	Leu	Met	Ser	Leu
		35					40					45			
Ile	Cys	Cys	Asn	Ser	Asn	Leu	Gln	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Phe
	50					55					60				
Asn	Leu	Ser	Phe	Ile	Asp	Phe	Cys	Tyr	Ser	Phe	Ala	Phe	Thr	Pro	Lys
65					70					75					80
Thr	Leu	Met	Ser	Phe	Val	Leu	Glu	Lys	Asn	Ile	Ile	Tyr	Phe	Thr	Gly
				85					90					95	
Cys	Met	Thr	Gln	Leu	Phe	Phe	Met	Cys	Leu	Phe	Ala	Asn	Ser	Glu	Cys
			100					105					110		
Tyr	Leu	Val	Thr	Ala	Met	Asp	Tyr	Asp	His	Tyr	Val	Ala	Ile	Cys	Gln
		115					120					125			
Pro	Leu	Leu	Tyr	Met	Ile	Ile	Thr	Ser	Pro	Met	Thr	Cys	Ser	Leu	Met
	130					135					140				
Met	Phe	Gly	Ser	Tyr	Leu	Met	Gly	Gly	Ile	Gly	Ala	Ile	Val	His	Thr
145					150					155					160
Gly	Cys	Met	Ile	Arg	Leu	Asn	Phe	Cys	Gly	Ser	Asn	Ile	Ile	Asn	His
				165					170					175	
Tyr	Met	Tyr	Asp	Ile	Phe	Pro	Leu	Leu	Gln	Leu	Ser	Cys	Ser	Ser	Ile
			180					185					190		
Tyr	Ala	Asn	Glu	Leu	Val	Ser	Ser	Val	Phe	Val	Ser	Thr	Val	Val	Leu
		195					200					205			
Ala	Ser	Ser	Phe	Leu	Ile	Leu	Thr	Ser	Tyr	Ala	Leu	Ile	Leu	Phe	Asn
	210					215					220				
Ile	Thr	Gln	Leu	Ser	Gly	Lys	Gly	Leu	Ser	Lys	Ala	Met	Ser	Thr	Cys
225					230					235					240
Ser	Ser	His	Ile	Met	Thr	Val	Val	Leu	Phe	Tyr	Gly	Phe	Ala	Met	Leu
				245					250					255	
Thr	His	Val	Lys	Thr	Ser	Ser	Asp	Glu	Ser	Val	Asn	Gln	Gly	Asn	Phe
			260					265					270		
Phe	Cys	Leu	Phe	Cys	Thr	Phe	Leu	Val	Pro	Leu	Leu	Asn	Pro	Phe	Ile
		275					280					285			
Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Lys	Leu	Ala	Leu	Lys	Arg	Thr	Leu
	290					295					300				
Arg	Arg	Leu	Thr	Val	Ser	Glu	Ser	Leu	Gly	Leu	Pro				
305					310						315				

<210> 1959
 <211> 312
 <212> PRT
 <213> Mus musculus

<400> 1959

Met	Val	Asn	Gln	Ser	Ser	Pro	Val	Gly	Phe	Leu	Leu	Leu	Gly	Phe	Ser
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Glu	His	Pro	Gln	Leu	Glu	Lys	Val	Leu	Phe	Val	Ile	Val	Leu	Cys	Ser
			20					25					30		
Tyr	Leu	Leu	Thr	Leu	Leu	Gly	Asn	Thr	Leu	Ile	Leu	Leu	Leu	Ser	Thr
		35				40						45			
Leu	Asp	Pro	Arg	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn	Leu
	50					55					60				
Ser	Phe	Leu	Asp	Leu	Cys	Phe	Thr	Thr	Thr	Cys	Val	Pro	Gln	Met	Leu
65					70					75					80
Phe	Asn	Leu	Trp	Gly	Pro	Ala	Lys	Thr	Ile	Ser	Phe	Leu	Gly	Cys	Ser
				85					90					95	
Val	Gln	Leu	Phe	Ile	Phe	Leu	Ser	Leu	Gly	Thr	Thr	Glu	Cys	Ile	Leu
			100					105					110		
Leu	Thr	Val	Met	Ser	Phe	Asp	Arg	Tyr	Val	Ala	Val	Cys	Gln	Pro	Leu
		115					120					125			
His	Tyr	Ala	Thr	Val	Ile	His	Pro	Arg	Leu	Cys	Trp	Lys	Leu	Ala	Ala
	130					135					140				
Val	Ala	Trp	Met	Met	Gly	Leu	Leu	Gln	Ser	Ile	Val	Gln	Thr	Pro	Pro
145					150					155					160
Thr	Leu	Lys	Leu	Pro	Phe	Cys	Pro	His	Arg	Gln	Ile	Asp	Asp	Phe	Leu
				165					170					175	
Cys	Glu	Val	Pro	Ser	Leu	Ile	Arg	Leu	Ser	Cys	Gly	Asp	Thr	Thr	Phe
			180					185				190			
Asn	Glu	Ile	Gln	Leu	Ala	Val	Ser	Val	Ile	Leu	Val	Val	Val	Pro	
		195					200				205				
Leu	Ser	Leu	Ile	Leu	Val	Ser	Tyr	Gly	Ala	Ile	Ala	Arg	Ala	Val	Met
		210				215					220				
Arg	Ile	Asn	Ser	Thr	Glu	Ala	Trp	Lys	Lys	Ala	Leu	Arg	Thr	Cys	Ser
225					230					235					240
Ser	His	Leu	Ile	Val	Val	Thr	Leu	Phe	Tyr	Ser	Ser	Val	Ile	Ala	Val
				245					250					255	
Tyr	Leu	Gln	Pro	Lys	Asn	Pro	Tyr	Ala	Gln	Glu	Arg	Gly	Lys	Phe	Phe
			260					265					270		
Gly	Leu	Phe	Tyr	Ala	Val	Gly	Thr	Pro	Thr	Leu	Asn	Pro	Leu	Ile	Tyr
		275					280					285			
Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys	Arg	Ala	Phe	Trp	Arg	Leu	Leu	Gly
		290				295					300				
Lys	Asp	Gly	Asp	Ser	Lys	Asn	Thr								
305					310										

<210> 1960
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1960

Met	Val	Asn	Gln	Ser	Ser	Pro	Val	Gly	Phe	Leu	Leu	Leu	Gly	Phe	Ser
1				5					10					15	
Glu	His	Pro	Gln	Leu	Glu	Lys	Val	Leu	Phe	Val	Val	Val	Leu	Cys	Ser
			20					25					30		
Tyr	Leu	Leu	Thr	Leu	Leu	Gly	Asn	Thr	Leu	Ile	Leu	Leu	Leu	Ser	Thr
		35				40						45			
Leu	Asp	Pro	Arg	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn	Leu
	50					55					60				
Ser	Phe	Leu	Asp	Leu	Cys	Phe	Thr	Thr	Thr	Cys	Val	Pro	Gln	Met	Leu

65					70					75				80
Phe	Asn	Leu	Trp	Gly	Pro	Ala	Lys	Thr	Ile	Ser	Phe	Leu	Gly	Cys
				85					90					95
Val	Gln	Leu	Phe	Ile	Phe	Leu	Ser	Leu	Gly	Thr	Thr	Glu	Cys	Ile
			100					105					110	
Leu	Ala	Val	Met	Ser	Phe	Asp	Arg	Tyr	Val	Ala	Val	Cys	Gln	Pro
		115					120					125		
His	Tyr	Ala	Thr	Val	Ile	His	Pro	Arg	Leu	Cys	Cys	Gln	Leu	Ala
	130					135					140			
Val	Ala	Trp	Thr	Ile	Gly	Leu	Val	Glu	Ser	Val	Val	Gln	Thr	Pro
145					150					155				160
Thr	Leu	Arg	Leu	Pro	Phe	Cys	Pro	His	His	Gln	Val	Asp	Asp	Phe
				165					170					175
Cys	Glu	Val	Pro	Ala	Leu	Ile	Arg	Leu	Ser	Cys	Gly	Asp	Thr	Thr
			180					185				190		
Asn	Glu	Ile	Gln	Met	Ala	Ile	Ala	Ser	Val	Phe	Ile	Leu	Val	Val
	195						200					205		
Leu	Ser	Leu	Ile	Leu	Val	Ser	Tyr	Gly	Ala	Ile	Ala	Arg	Ala	Val
	210					215					220			
Arg	Ile	Ser	Ser	Ala	Lys	Gly	Arg	Arg	Lys	Ala	Phe	Gly	Thr	Cys
225					230					235				240
Ser	His	Leu	Ile	Val	Thr	Leu	Phe	Tyr	Ser	Ser	Val	Ile	Ala	Val
				245				250					255	
Tyr	Leu	Gln	Pro	Lys	Asn	Pro	Tyr	Ala	Arg	Glu	Arg	Gly	Lys	Phe
			260				265						270	
Gly	Leu	Phe	Tyr	Ala	Val	Gly	Thr	Pro	Ser	Leu	Asn	Pro	Leu	Ile
	275					280						285		
Thr	Leu	Arg	Asn	Lys	Glu	Val	Lys	Arg	Ala	Phe	Arg	Arg	Leu	Leu
	290					295					300			
Lys	Glu	Val	Lys	Pro	Gly									
305					310									

<210> 1961
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1961

Met	Gly	Lys	Asn	Asn	Asn	Val	Thr	Glu	Phe	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Gln	Asp	Pro	Val	Gly	Gln	Lys	Ala	Leu	Phe	Val	Leu	Phe	Leu	Leu	Met
			20					25					30		
Tyr	Ile	Val	Thr	Met	Ala	Gly	Asn	Leu	Ile	Ile	Val	Val	Thr	Ile	Ile
	35					40						45			
Ala	Ser	Pro	Ser	Leu	Ser	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Tyr	Leu
	50					55					60				
Ser	Leu	Met	Asp	Ala	Ile	Tyr	Ser	Thr	Ala	Ile	Ser	Pro	Lys	Leu	Ile
65					70					75					80
Met	Asp	Leu	Leu	Cys	Asn	Lys	Lys	Thr	Ile	Ser	Phe	Arg	Ala	Cys	Met
				85					90					95	
Gly	Gln	Leu	Phe	Val	Glu	His	Leu	Phe	Gly	Ala	Thr	Glu	Ile	Phe	Leu
			100					105					110		
Leu	Val	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
	115						120					125			
His	Tyr	Leu	Thr	Ile	Met	Asn	His	Arg	Val	Cys	Ile	Leu	Leu	Val	Met
	130					135					140				

Ala	Thr	Trp	Val	Gly	Gly	Phe	Ala	His	Ser	Met	Ala	Gln	Val	Leu	Phe
145					150					155					160
Val	Tyr	Asp	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Phe	Ala
				165					170					175	
Cys	Asp	Met	Tyr	Pro	Leu	Leu	Val	Leu	Val	Cys	Ser	Asp	Thr	Tyr	Phe
			180					185					190		
Leu	Gly	Leu	Thr	Val	Ile	Ala	Asn	Asp	Gly	Ala	Ile	Cys	Met	Val	Val
	195						200					205			
Phe	Val	Ile	Leu	Leu	Ala	Ser	Tyr	Gly	Ile	Ile	Leu	Asn	Ser	Leu	Lys
	210					215					220				
Thr	His	Ser	Gln	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ser	Ser
225					230					235					240
His	Ile	Met	Val	Val	Ile	Leu	Phe	Phe	Val	Pro	Cys	Ile	Phe	Met	Tyr
			245						250					255	
Val	Arg	Pro	Val	Ser	Asn	Phe	Pro	Val	Asp	Lys	Ser	Val	Thr	Ile	Phe
			260					265					270		
Tyr	Thr	Val	Val	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu	Arg
		275				280					285				
Asn	Ser	Glu	Ile	Lys	His	Ser	Met	Leu	Lys	Leu	Trp	Ser	Lys	Ile	Leu
	290					295					300				
His	Ser	Asp	Arg	Leu	Arg	Lys	Ser	Cys	Cys						
305					310										

<210> 1962
 <211> 302
 <212> PRT
 <213> Mus musculus

<400> 1962

Met	Asp	Ser	Pro	Arg	Asn	Val	Thr	Glu	Phe	Phe	Met	Leu	Gly	Leu	Ser
1				5					10					15	
Gln	Asn	Pro	Gln	Val	Gln	Arg	Met	Leu	Phe	Gly	Leu	Phe	Leu	Leu	Val
			20					25				30			
Phe	Leu	Val	Ser	Val	Gly	Gly	Asn	Met	Leu	Ile	Ile	Ile	Thr	Ile	Thr
		35				40						45			
Phe	Ser	Pro	Thr	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Tyr	Leu
	50					55				60					
Ser	Phe	Ile	Asp	Thr	Cys	Tyr	Ser	Ser	Cys	Met	Thr	Pro	Lys	Leu	Ile
65					70				75					80	
Ala	Asp	Ser	Leu	His	Glu	Gly	Arg	Ala	Ile	Ser	Phe	Glu	Gly	Cys	Leu
				85					90					95	
Ala	Gln	Phe	Phe	Val	Ala	His	Leu	Leu	Gly	Gly	Thr	Glu	Ile	Ile	Leu
			100					105					110		
Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
		115					120					125			
His	Tyr	Thr	Thr	Thr	Met	Thr	Arg	His	Val	Cys	Ile	Val	Leu	Val	Ala
	130					135					140				
Val	Ala	Trp	Leu	Gly	Gly	Ile	Leu	His	Ser	Thr	Ala	Gln	Leu	Phe	Leu
145					150					155					160
Val	Leu	Gln	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asn	His	Phe	Val
				165					170					175	
Cys	Asp	Leu	Tyr	Pro	Leu	Leu	Glu	Leu	Ala	Cys	Thr	Asp	Thr	Tyr	Val
			180					185					190		
Ile	Gly	Leu	Leu	Val	Val	Ala	Asn	Ser	Gly	Val	Ile	Cys	Leu	Leu	Asn
	195						200					205			
Phe	Leu	Met	Leu	Ala	Ala	Ser	Tyr	Ile	Val	Ile	Leu	Arg	Thr	Leu	Arg

210		215		220
Ser His Ser Ala Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Gly Ala				
225		230		235
His Phe Thr Val Val Ala Leu Phe Phe Val Pro Cys Ile Phe Ile Tyr				240
	245		250	255
Met Arg Pro Ser Ser Thr Leu Ser Ile Asp Lys Ile Val Ala Val Phe				
	260	265		270
Tyr Cys Ile Leu Thr Pro Met Phe Asn Pro Leu Ile Tyr Thr Leu Arg				
	275	280	285	
Asn Ala Glu Val Lys Asn Ala Met Lys Asn Leu Trp Arg Lys				
290		295		300

<210> 1963
 <211> 306
 <212> PRT
 <213> Mus musculus

<400> 1963

Met Ser Asn Val Thr Glu Phe Ile Leu Leu Gly Leu Thr Gln Asp Pro				
1	5		10	15
Asp Leu Gln Lys Phe Leu Phe Ile Val Cys Leu Ile Ile Tyr Leu Ile				
	20		25	30
Thr Leu Ala Gly Asn Met Leu Ile Ser Val Thr Ile Phe Ile Ser Pro				
	35	40		45
Ala Leu Ala Thr Pro Met Tyr Phe Phe Leu Ser Tyr Leu Ser Val Ile				
50	55		60	
Asp Gly Phe Tyr Ser Ser Ser Ile Ala Pro Lys Met Ile Tyr Asp Leu				
65	70		75	80
Ile Ser Glu Lys Ser Thr Ile Ser Phe Asn Gly Cys Met Thr Gln Leu				
	85	90		95
Phe Val Glu His Phe Phe Ala Ala Ala Glu Ile Ile Leu Leu Met Ser				
	100	105		110
Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu His Tyr Met				
	115	120		125
Thr Ile Met Asn Arg Pro Leu Cys Val Phe Leu Val Gly Ala Ala Val				
	130	135		140
Ile Leu Gly Phe Ile His Gly Gly Ile Gln Ile Leu Phe Met Ala Gln				
145	150		155	160
Leu Pro Phe Cys Gly Pro Asn Ile Ile Asp His Phe Met Cys Asp Leu				
	165	170		175
Ile Pro Leu Leu Glu Leu Ala Cys Thr Asp Thr His Thr Leu Gly Pro				
	180	185		190
Leu Ile Ala Ala Asn Ser Gly Ser Leu Cys Leu Leu Ile Phe Ser Met				
	195	200		205
Leu Val Ala Ser Tyr Val Val Ile Leu Arg Ser Leu Arg Asn His Ser				
	210	215		220
Ala Glu Gly Arg Arg Lys Ala Leu Ser Thr Cys Ala Ser His Val Thr				
225	230		235	240
Val Val Val Leu Phe Phe Val Pro Cys Ser Tyr Leu Tyr Leu Arg Pro				
	245	250		255
Met Thr Ser Phe Pro Thr Asp Lys Ala Val Thr Val Phe Cys Thr Leu				
	260	265		270
Val Thr Pro Met Leu Asn Pro Leu Ile Tyr Thr Leu Arg Asn Glu Glu				
	275	280	285	
Val Lys Arg Val Met Lys Lys Leu Trp Gly Arg Met Arg Lys Ala Gly				
290		295		300

Asp Met
305

<210> 1964
<211> 311
<212> PRT
<213> Mus musculus

<400> 1964

Met	Gly	Asn	Phe	Asn	Thr	Ser	Thr	Gln	Glu	Ser	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Phe	Ser	Asp	Trp	Pro	Gln	Leu	Gln	Ala	Phe	Leu	Phe	Val	Ile	Ile	Leu
			20					25					30		
Ile	Phe	Tyr	Ser	Leu	Thr	Ile	Phe	Gly	Asn	Thr	Thr	Ile	Ile	Val	Leu
		35					40					45			
Ala	Arg	Leu	Asp	Leu	Arg	Leu	His	Lys	Pro	Met	Tyr	Phe	Phe	Leu	Ser
		50				55					60				
His	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Tyr	Thr	Thr	Ser	Thr	Val	Pro	Gln
65					70					75					80
Leu	Leu	Ile	Asn	Leu	Arg	Gly	Leu	Asp	Arg	Thr	Ile	Ser	Tyr	Gly	Gly
			85						90					95	
Cys	Val	Ala	Gln	Leu	Phe	Ile	Phe	Leu	Ala	Leu	Ala	Ser	Thr	Glu	Cys
			100					105						110	
Leu	Ile	Leu	Val	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Ala	Ala	Val	Cys	His
			115				120						125		
Pro	Leu	His	Tyr	Thr	Ser	Ile	Met	Asn	Pro	Ile	Leu	Cys	Arg	Ala	Leu
						135						140			
Ala	Ile	Ser	Ser	Trp	Val	Gly	Gly	Leu	Val	Asn	Ser	Leu	Ile	Gln	Thr
145					150						155				160
Gly	Leu	Val	Met	Ala	Met	Arg	Leu	Cys	Gly	His	Gln	Ile	Asn	His	Phe
				165					170					175	
Phe	Cys	Glu	Met	Pro	Ile	Phe	Leu	Lys	Leu	Ala	Cys	Glu	Asp	Thr	Glu
			180					185					190		
Gly	Thr	Glu	Ala	Lys	Met	Phe	Val	Ala	Arg	Thr	Ile	Val	Leu	Val	Cys
		195					200					205			
Pro	Ala	Val	Leu	Ile	Leu	Gly	Ser	Tyr	Val	His	Ile	Ala	Lys	Ala	Val
		210				215						220			
Leu	Lys	Val	Lys	Ser	Met	Ala	Gly	Arg	Arg	Lys	Ala	Phe	Gly	Thr	Cys
225					230					235					240
Gly	Ser	His	Leu	Met	Val	Val	Ser	Leu	Phe	Tyr	Gly	Ser	Gly	Ile	Tyr
			245						250					255	
Thr	Tyr	Leu	Gln	Pro	Val	His	Arg	Tyr	Ser	Glu	Ser	Lys	Gly	Lys	Phe
			260					265					270		
Val	Ala	Leu	Phe	Tyr	Thr	Ile	Val	Thr	Pro	Met	Phe	Asn	Pro	Leu	Ile
			275				280					285			
Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Trp	Lys	Leu	Leu
		290				295					300				
Gly	Arg	Gly	Thr	Asp	Ser	Gly									
305						310									

<210> 1965
<211> 318
<212> PRT
<213> Mus musculus

<400> 1965

Met	Gly	Ser	Phe	Asn	Leu	Ser	Leu	Glu	Gly	Phe	Leu	Leu	Val	Gly	Phe
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Ser	Asp	Trp	Pro	Gln	Leu	Glu	Leu	Ile	Leu	Leu	Val	Phe	Ile	Ser	Ile
			20					25					30		
Phe	Tyr	Ser	Leu	Thr	Leu	Cys	Gly	Asn	Ile	Thr	Ile	Ile	Val	Leu	Thr
		35					40					45			
Gln	Gln	Asp	Leu	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ala	His
	50					55					60				
Leu	Ser	Phe	Leu	Asp	Leu	Cys	Phe	Thr	Ser	Ser	Thr	Val	Pro	Lys	Leu
65					70					75					80
Leu	Ile	Ser	Leu	Ser	Arg	Gly	Asp	Gln	Thr	Ile	Ser	Tyr	Ala	Gly	Cys
				85					90					95	
Met	Thr	Gln	Phe	Phe	Ile	Ala	Leu	Leu	Leu	Gly	Gly	Thr	Glu	Cys	Val
			100					105					110		
Leu	Leu	Val	Val	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Val	Cys	Arg	Pro
		115					120					125			
Leu	His	Tyr	Thr	Ser	Ile	Met	His	Pro	Leu	Leu	Cys	His	Ala	Leu	Ala
	130					135					140				
Ile	Ser	Ser	Trp	Val	Gly	Gly	Leu	Val	Asn	Ser	Leu	Thr	Gln	Thr	Ser
145					150					155					160
Leu	Ile	Met	Thr	Ile	Pro	Leu	Cys	Gly	His	His	Leu	Asn	His	Phe	Phe
				165					170					175	
Cys	Glu	Met	Leu	Val	Leu	Leu	Lys	Leu	Ala	Cys	Glu	Asp	Thr	Val	Gly
			180					185					190		
Thr	Glu	Thr	Tyr	Leu	Phe	Trp	Ala	Gly	Ala	Val	Ile	Leu	Val	Cys	Pro
		195					200					205			
Val	Ala	Leu	Ile	Leu	Gly	Thr	Tyr	Ala	His	Ile	Ala	His	Ala	Val	Leu
	210					215					220				
Lys	Ile	Lys	Ser	Arg	Ser	Gly	Arg	Arg	Lys	Ala	Leu	Gly	Thr	Cys	Gly
225					230					235					240
Ser	His	Leu	Thr	Val	Val	Phe	Leu	Phe	Tyr	Gly	Ser	Ala	Met	Tyr	Thr
				245					250					255	
Tyr	Leu	Gln	Pro	Ile	His	Thr	Tyr	Ser	Gly	Ser	Glu	Gly	Lys	Phe	Ala
			260					265					270		
Ala	Leu	Phe	Tyr	Thr	Ile	Ile	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr
	275						280					285			
Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Cys	Lys	Val	Leu	Val
	290					295					300				
Lys	Gly	Lys	Lys	Glu	Thr	Lys	Thr	Arg	Arg	Lys	Met	Val	Glu		
305					310					315					

<210> 1966

<211> 311

<212> PRT

<213> Mus musculus

<400> 1966

Met	Gly	Thr	Phe	Asn	Thr	Ser	Leu	Gly	Gly	Gly	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Phe	Ser	Asp	Trp	Pro	Ala	Leu	Glu	Leu	Ile	Phe	Phe	Ile	His	Ile	Leu
			20					25					30		
Ile	Phe	Tyr	Ser	Ile	Thr	Leu	Phe	Gly	Asn	Thr	Ala	Ile	Ile	Ala	Leu
		35					40					45			
Ser	Arg	Thr	Asp	Leu	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				

His	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Phe	Thr	Thr	Ser	Thr	Val	Pro	Gln
65					70					75					80
Leu	Leu	Ile	Asn	Leu	His	Gly	Gln	Asp	Arg	Thr	Ile	Ser	Tyr	Gly	Gly
			85						90					95	
Cys	Val	Ala	Gln	Leu	Phe	Ile	Phe	Leu	Ala	Leu	Gly	Ser	Thr	Glu	Ser
			100					105					110		
Val	Leu	Leu	Val	Val	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Val	Cys	Arg
			115					120				125			
Pro	Leu	His	Tyr	Thr	Thr	Ile	Met	His	Pro	Val	Leu	Cys	Gln	Ala	Leu
	130					135					140				
Ala	Ile	Ala	Ser	Trp	Val	Gly	Gly	Phe	Leu	Asn	Ser	Leu	Ile	Gln	Thr
145					150					155					160
Gly	Leu	Met	Met	Ala	Met	Pro	Leu	Cys	Gly	His	Arg	Leu	Asn	His	Phe
				165					170					175	
Phe	Cys	Glu	Met	Pro	Val	Phe	Leu	Lys	Leu	Ala	Cys	Gln	Asp	Thr	Gly
			180					185					190		
Gly	Thr	Glu	Ala	Lys	Met	Phe	Val	Ala	Arg	Val	Val	Ile	Val	Ala	Val
	195						200					205			
Pro	Ala	Met	Leu	Ile	Leu	Gly	Ser	Tyr	Ala	Gln	Ile	Ala	Arg	Ala	Val
	210					215					220				
Leu	Lys	Val	Lys	Ser	Val	Ala	Ala	Arg	Arg	Lys	Ala	Ala	Gly	Thr	Cys
225					230					235					240
Gly	Ser	His	Leu	Leu	Val	Val	Ser	Leu	Phe	Tyr	Gly	Ser	Ala	Thr	Tyr
			245						250					255	
Thr	Tyr	Leu	Gln	Pro	Lys	Asp	Ser	Tyr	Ser	Glu	Ser	Lys	Gly	Lys	Phe
			260					265					270		
Val	Ala	Leu	Phe	Tyr	Thr	Ile	Ile	Thr	Pro	Met	Phe	Asn	Pro	Leu	Ile
			275				280					285			
Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Met	Lys	Gly	Ala	Leu	Trp	Lys	Val	Leu
	290					295					300				
Gly	Arg	Ala	Ala	Ala	Thr	Gly									
305					310										

<210> 1967
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1967

Met	Glu	Ser	Phe	Asn	Ile	Ser	Leu	Gly	Lys	Gly	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Phe	Ser	Asp	Trp	Pro	Ala	Leu	Glu	Leu	Ile	Phe	Phe	Ile	Tyr	Ile	Leu
			20					25					30		
Ile	Phe	Tyr	Ser	Leu	Thr	Leu	Phe	Gly	Asn	Thr	Ala	Ile	Ile	Ala	Leu
		35				40						45			
Ser	Arg	Met	Asp	Leu	Gln	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Cys
	50					55					60				
His	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Phe	Thr	Thr	Ser	Thr	Val	Pro	Gln
65					70					75					80
Leu	Leu	Ile	Asn	Leu	His	Gly	Gln	Asp	Arg	Thr	Ile	Ser	Tyr	Gly	Gly
			85						90					95	
Cys	Val	Ser	Gln	Leu	Phe	Ile	Thr	Leu	Ala	Leu	Gly	Ser	Thr	Glu	Ser
			100					105					110		
Val	Leu	Leu	Val	Val	Met	Ala	Phe	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Arg
			115				120					125			
Pro	Leu	His	Tyr	Met	Asn	Ile	Met	His	Pro	Val	Leu	Cys	Gln	Ala	Leu

130		135		140
Ala Ile Ala Ser Trp Val	Gly Gly Phe Leu Asn Ser Leu Ile Gln Thr			
145		150		160
Gly Leu Met Met Ala Met Pro Leu Cys Gly His Arg Leu Asn His Phe				
		165		175
Phe Cys Glu Met Pro Val Phe Leu Lys Leu Ala Cys Gln Asp Thr Gly				
		180		190
Gly Thr Glu Ala Lys Met Phe Val Ala Arg Ala Val Ile Val Ala Val				
		195		205
Pro Ala Met Leu Ile Leu Gly Ser Tyr Ala Gln Ile Ala Arg Ala Val				
		210		220
Leu Lys Val Lys Ser Val Ala Ala Arg Arg Lys Ala Ala Gly Thr Cys				
225		230		240
Gly Ser His Leu Leu Val Val Ser Leu Phe Tyr Gly Ser Ala Thr Tyr				
		245		255
Thr Tyr Leu Gln Pro Lys Asp Ser Tyr Ser Glu Ser Lys Gly Lys Phe				
		260		270
Val Ala Leu Phe Tyr Thr Ile Ile Thr Pro Met Phe Asn Pro Leu Ile				
		275		285
Tyr Thr Leu Arg Asn Lys Asp Met Lys Gly Ala Leu Trp Lys Val Leu				
		290		300
Gly Arg Ala Ala Ala Thr Gly				
305		310		

<210> 1968
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1968

Met Glu Tyr Leu Asn Thr Ser Ser Glu Glu Gly Phe Ile Leu Val Gly	
1	5 10 15
Phe Ser Asp Trp Pro His Leu Glu Pro Thr Leu Phe Ala Phe Ile Ser	
	20 25 30
Ile Phe Tyr Ser Leu Thr Leu Phe Gly Asn Thr Val Ile Ile Ile Leu	
	35 40 45
Ser Arg Leu Asp Leu Arg Leu His Thr Pro Met Tyr Tyr Phe Leu Cys	
	50 55 60
His Leu Ser Phe Leu Asp Leu Cys Tyr Thr Thr Ser Thr Val Pro Gln	
65	70 75 80
Leu Leu Val Asn Leu Ser Gly Leu Asp Arg Thr Ile Ser Phe Gly Arg	
	85 90 95
Cys Val Ala Gln Leu Cys Ile Val Leu Ser Leu Gly Gly Thr Glu Cys	
	100 105 110
Val Leu Leu Val Ala Met Ala Ile Asp Arg Tyr Ala Ala Val Cys Arg	
	115 120 125
Pro Leu His Tyr Thr Thr Ile Met His Pro Val Leu Cys Arg Ala Leu	
	130 135 140
Val Val Phe Ser Trp Val Gly Gly Leu Val Asn Ser Leu Ile Gln Thr	
145	150 155 160
Ser Leu Val Met Ala Met Pro Leu Cys Gly His Gln Leu Asn His Phe	
	165 170 175
Phe Cys Glu Leu Pro Val Leu Leu Lys Met Ala Cys Glu Asp Thr Gly	
	180 185 190
Gly Thr Glu Val Asn Leu Phe Val Ala Arg Val Ile Ile Leu Val Cys	
	195 200 205

Pro	Leu	Leu	Leu	Ile	Leu	Gly	Ser	Tyr	Ala	His	Ile	Ala	Arg	Ala	Val
210						215					220				
Leu	Asn	Ile	Arg	Ser	Met	Ala	Gly	Arg	Arg	Lys	Ala	Phe	Gly	Thr	Cys
225					230					235					240
Ala	Ser	His	Leu	Ile	Val	Val	Ala	Met	Phe	Tyr	Gly	Ser	Ala	Ile	Ser
				245					250					255	
Thr	Tyr	Leu	Gln	Pro	Val	His	Arg	Tyr	Ser	Glu	Lys	Glu	Gly	Lys	Phe
			260					265					270		
Leu	Ala	Leu	Phe	Tyr	Thr	Ile	Ile	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile
		275					280					285			
Tyr	Thr	Leu	Arg	Asn	Lys	Asp	Val	Lys	Gly	Ala	Leu	Trp	Lys	Val	Leu
	290					295					300				
Gly	Arg	Gly	Thr	Asp	Ser	Arg									
305					310										

<210> 1969
 <211> 311
 <212> PRT
 <213> Mus musculus

<400> 1969

Met	Gly	Ser	Phe	Asn	Ala	Ser	Leu	Gly	Lys	Gly	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Phe	Ser	Asp	Trp	Pro	Gln	Leu	Glu	Leu	Ile	Leu	Phe	Ile	Tyr	Val	Leu
			20					25					30		
Ile	Phe	Tyr	Ser	Leu	Thr	Leu	Phe	Gly	Asn	Thr	Thr	Ile	Ile	Ala	Leu
		35					40					45			
Ser	Gln	Leu	Asp	Ile	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
His	Leu	Ser	Phe	Leu	Asp	Leu	Cys	Tyr	Thr	Thr	Ser	Thr	Val	Pro	Gln
65					70				75						80
Leu	Leu	Ile	Asn	Ile	Ala	Ala	Gln	Asp	His	Thr	Ile	Thr	Tyr	Gly	Arg
			85					90						95	
Cys	Val	Ala	Gln	Leu	Phe	Ser	Val	Leu	Ala	Leu	Gly	Ser	Thr	Glu	Ser
			100					105					110		
Met	Leu	Leu	Val	Val	Met	Ala	Phe	Asp	Arg	Tyr	Ala	Ala	Val	Cys	Arg
		115					120					125			
Pro	Leu	His	Tyr	Thr	Thr	Ile	Met	His	Pro	Leu	Leu	Cys	Gln	Ala	Leu
	130					135					140				
Ala	Ile	Ser	Ser	Trp	Val	Ala	Gly	Leu	Val	Asn	Ser	Leu	Ile	Gln	Thr
145					150					155					160
Gly	Leu	Met	Met	Ala	Met	Pro	Leu	Cys	Arg	Tyr	Arg	Leu	Asn	His	Phe
			165						170					175	
Phe	Cys	Glu	Met	Pro	Val	Phe	Leu	Lys	Leu	Ala	Cys	Lys	Asp	Thr	Ala
		180						185					190		
Gly	Thr	Glu	Ala	Lys	Met	Phe	Val	Ala	Arg	Ala	Ile	Ile	Leu	Val	Phe
	195						200					205			
Pro	Ala	Thr	Leu	Ile	Leu	Gly	Ser	Tyr	Ala	His	Ile	Ala	Arg	Ala	Val
	210					215					220				
Leu	Lys	Val	Lys	Ser	Thr	Ser	Gly	Arg	Arg	Lys	Ala	Phe	Gly	Thr	Cys
225					230					235					240
Gly	Ser	His	Leu	Leu	Val	Val	Ser	Met	Phe	Tyr	Gly	Ser	Thr	Ile	Tyr
			245						250					255	
Thr	Tyr	Leu	Gln	Pro	Asn	Asp	Ser	Tyr	Ser	Glu	Asn	Glu	Gly	Lys	Phe
		260						265					270		
Val	Ala	Leu	Phe	Tyr	Thr	Ile	Val	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile

<212> PRT
 <213> Mus musculus

<400> 1971

Met	Met	Gln	Trp	Asn	Asn	Trp	Thr	Arg	Asn	Ser	Asp	Phe	Ile	Leu	Leu
1				5					10					15	
Gly	Phe	Phe	Asp	His	Ser	Pro	Leu	His	Thr	Phe	Phe	Phe	Ser	Leu	Ile
			20					25					30		
Leu	Ala	Ile	Phe	Phe	Met	Ala	Leu	Ile	Gly	Asn	Ser	Val	Met	Val	Ile
		35					40					45			
Leu	Ile	Tyr	Leu	Asp	Ala	Gln	Leu	His	Thr	Pro	Met	Tyr	Ile	Leu	Leu
	50					55					60				
Ser	Gln	Leu	Ser	Leu	Met	Asp	Leu	Met	Leu	Ile	Ser	Thr	Thr	Val	Pro
65					70					75					80
Gln	Thr	Ala	Phe	Asn	Phe	Leu	Ser	Gly	Asn	Lys	Ser	Ile	Ser	Met	Ala
				85					90					95	
Gly	Cys	Gly	Val	Gln	Ile	Phe	Phe	Tyr	Val	Ser	Leu	Leu	Gly	Ala	Glu
			100					105					110		
Cys	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
Tyr	Pro	Leu	Arg	Tyr	Pro	Ile	Leu	Met	Ser	His	Lys	Ile	Cys	Ser	Leu
	130					135					140				
Met	Ala	Ala	Phe	Ser	Trp	Ile	Leu	Gly	Ser	Leu	Asp	Gly	Ile	Ile	Asp
145					150					155					160
Val	Ala	Ala	Val	Leu	Ser	Phe	Ser	Tyr	Cys	Gly	Thr	Arg	Glu	Ile	Pro
				165					170					175	
His	Phe	Phe	Cys	Asp	Ile	Pro	Ala	Leu	Leu	Thr	Ile	Ser	Cys	Ser	Asp
			180					185					190		
Thr	Leu	Ile	Phe	Glu	Lys	Ile	Ile	Phe	Phe	Cys	Cys	Val	Ile	Met	Leu
		195					200					205			
Ile	Phe	Pro	Val	Val	Ile	Val	Ile	Ala	Ser	Tyr	Ile	Cys	Val	Ile	Leu
	210					215					220				
Ala	Val	Ile	Lys	Met	Ala	Ser	Ala	Glu	Ser	Arg	His	Lys	Ala	Phe	Ala
225					230					235					240
Thr	Cys	Ser	Ser	His	Val	Met	Val	Val	Val	Ile	Tyr	Tyr	Gly	Ala	Ala
				245					250					255	
Met	Phe	Ile	Tyr	Met	Gln	Pro	Ser	Ser	Ser	Arg	Ser	Pro	Asn	Gln	Asp
		260						265					270		
Lys	Leu	Val	Ser	Ala	Phe	Tyr	Thr	Ile	Leu	Thr	Pro	Leu	Leu	Asn	Pro
		275					280					285			
Leu	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ala	Arg	Ala	Phe	Met	Lys
	290					295					300				
Val	Leu	Arg	Met	Asp	Lys	Ala	Ala	Gly							
305					310										

<210> 1972
 <211> 320
 <212> PRT
 <213> Mus musculus

<400> 1972

Met	Gln	Ile	Ser	Ser	Ser	Ile	Ile	Ser	Pro	Arg	Met	Asn	Cys	Ser	Gln
1				5					10					15	
Ala	Pro	Gly	Phe	Ile	Leu	Leu	Gly	Leu	Pro	Arg	Glu	Pro	Glu	Lys	Trp
			20					25					30		
Gln	His	Phe	Phe	Ile	Ile	Phe	Leu	Gly	Leu	Tyr	Leu	Leu	Gly	Leu	Leu

Ala	Gly	Val	Glu	Ile	Phe	Ile	Leu	Val	Ser	Met	Ala	Leu	Asp	Arg	Tyr
	115						120					125			
Val	Ala	Ile	Val	Lys	Pro	Leu	His	Tyr	Met	Val	Ile	Met	Ser	Arg	Lys
	130					135					140				
Arg	Cys	Asp	Met	Leu	Ile	Val	Thr	Ala	Trp	Ile	Leu	Gly	Phe	Trp	His
145				150					155					160	
Ser	Ile	Ala	Leu	Leu	Met	Val	Leu	Ser	Leu	Pro	Phe	Cys	Gly	Pro	
			165					170					175		
Asn	His	Ile	Asn	His	Tyr	Leu	Cys	Asp	Ile	Lys	Pro	Leu	Leu	Lys	Leu
		180						185				190			
Val	Cys	Lys	Asp	Val	His	Val	Val	Ser	Ile	Leu	Ala	Ile	Ala	Asn	Ser
	195						200					205			
Gly	Met	Val	Leu	Phe	Ala	Ile	Phe	Ile	Val	Leu	Leu	Ala	Ser	Tyr	Ile
	210					215					220				
Leu	Ile	Leu	Tyr	Ser	Leu	Arg	Thr	Arg	Ser	Ser	Ala	Gly	Lys	Arg	Lys
225					230				235					240	
Ala	Leu	Ser	Thr	Cys	Ser	Ser	His	Ile	Met	Val	Val	Val	Leu	Phe	Phe
				245					250					255	
Gly	Pro	Cys	Ile	Tyr	Ile	Tyr	Ile	Leu	Pro	Ala	Gly	Ser	Glu	Asn	Lys
		260					265						270		
Asp	Lys	Glu	Ile	Ser	Val	Phe	Tyr	Thr	Val	Ile	Ala	Pro	Met	Leu	Asn
	275						280					285			
Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Ser	Glu	Met	Lys	Ser	Ala	Met	His
	290					295				300					
Lys	Val	Trp	Ser	Arg	Leu	Ser	Leu	Arg	Val	Glu	Val	Ser	Glu	Arg	Ile
305					310				315					320	
Leu															

<210> 1974
 <211> 309
 <212> PRT
 <213> Mus musculus

<400> 1974

Met	Glu	Ile	Lys	Asn	Asn	Val	Thr	Glu	Phe	Val	Leu	Leu	Gly	Leu	Thr
1			5						10				15		
Gln	Asn	Pro	Gln	Leu	Gln	Lys	Ile	Leu	Phe	Val	Val	Phe	Leu	Val	Ile
		20						25				30			
Tyr	Val	Phe	Ser	Val	Ala	Gly	Asn	Leu	Leu	Ile	Leu	Ile	Thr	Ile	Thr
	35					40					45				
Asn	Ser	Gln	Leu	Leu	Gly	Tyr	Pro	Met	Tyr	Tyr	Phe	Leu	Ala	Tyr	Leu
	50				55					60					
Ser	Phe	Ile	Asp	Ala	Cys	Tyr	Ser	Ser	Val	Asn	Thr	Pro	Lys	Leu	Leu
65					70				75					80	
Ala	Asp	Thr	Phe	His	Lys	Arg	Lys	Ser	Ile	Lys	Phe	Asn	Gly	Cys	Met
				85					90				95		
Thr	Gln	Val	Phe	Ala	Glu	His	Phe	Ile	Gly	Gly	Thr	Glu	Val	Ile	Leu
		100						105				110			
Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu
	115					120					125				
His	Tyr	Ala	Thr	Ile	Met	Asn	Arg	Arg	Leu	Cys	Asn	Ile	Leu	Val	Gly
	130				135						140				
Val	Ser	Trp	Val	Gly	Gly	Phe	Leu	His	Gly	Gly	Ile	Gln	Ile	Leu	Phe
145					150				155					160	
Ile	Ile	Gly	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Phe	Met

305

310

<210> 1977

<211> 318

<212> PRT

<213> Mus musculus

<400> 1977

Met	Ala	Ser	Arg	Thr	Tyr	Ser	Met	Glu	Glu	Val	Asn	Asn	Val	Thr	Glu
1				5				10						15	
Phe	Ile	Phe	Leu	Gly	Leu	Ser	Gln	Asn	Pro	Glu	Val	Glu	Lys	Val	Cys
			20					25					30		
Phe	Val	Val	Phe	Ser	Phe	Phe	Tyr	Met	Val	Ile	Leu	Leu	Gly	Asn	Leu
			35				40						45		
Leu	Ile	Met	Leu	Thr	Val	Cys	Ser	Gly	Asn	Leu	Phe	Lys	Phe	Pro	Met
			50			55					60				
Tyr	Phe	Phe	Leu	Asn	Phe	Leu	Ser	Phe	Val	Asp	Ile	Cys	Tyr	Ser	Ser
65				70					75					80	
Val	Thr	Ala	Pro	Lys	Met	Ile	Ile	Asp	Leu	Leu	Val	Lys	Lys	Lys	Thr
				85				90						95	
Ile	Ser	Tyr	Val	Gly	Cys	Met	Leu	Gln	Leu	Phe	Val	Val	His	Phe	Phe
			100					105					110		
Gly	Cys	Thr	Glu	Ile	Phe	Ile	Leu	Thr	Val	Met	Ala	Tyr	Asp	Arg	Tyr
			115				120					125			
Val	Ala	Ile	Cys	Lys	Pro	Leu	His	Tyr	Met	Thr	Ile	Met	Asp	Arg	Glu
			130			135					140				
Arg	Cys	Asn	Lys	Met	Leu	Leu	Gly	Thr	Trp	Ile	Gly	Gly	Phe	Leu	His
145					150					155				160	
Ser	Ile	Ile	Gln	Val	Ala	Leu	Val	Val	Gln	Leu	Pro	Phe	Cys	Gly	Pro
				165					170					175	
Asn	Glu	Ile	Asp	His	Tyr	Phe	Cys	Asp	Val	His	Pro	Val	Leu	Lys	Leu
			180					185					190		
Ala	Cys	Thr	Asp	Thr	Tyr	Ile	Val	Gly	Ile	Phe	Val	Thr	Ala	Asn	Ser
			195				200					205			
Gly	Thr	Ile	Ala	Leu	Gly	Ser	Phe	Val	Ile	Leu	Leu	Ile	Ser	Tyr	Thr
			210			215					220				
Val	Ile	Leu	Met	Ser	Leu	Arg	Lys	Gln	Ser	Ser	Glu	Gly	Arg	Arg	Lys
225					230					235					240
Ala	Leu	Ser	Thr	Cys	Gly	Ser	His	Ile	Ala	Val	Val	Ile	Ile	Phe	Phe
				245					250					255	
Gly	Pro	Cys	Thr	Phe	Met	Tyr	Met	Arg	Pro	Asp	Thr	Thr	Phe	Ser	Glu
			260					265					270		
Asp	Lys	Met	Val	Ala	Thr	Phe	Tyr	Thr	Ile	Ile	Thr	Pro	Met	Leu	Asn
			275				280					285			
Pro	Leu	Ile	Tyr	Thr	Leu	Arg	Asn	Ala	Glu	Val	Lys	Asn	Ala	Met	Arg
			290			295					300				
Lys	Leu	Trp	Ala	Arg	Lys	Phe	Ser	Trp	Glu	Thr	Thr	Gly	Lys		
305					310						315				

<210> 1978

<211> 312

<212> PRT

<213> Mus musculus

<400> 1978

Met	Gln	Asn	Gln	Thr	Ile	Val	Thr	Glu	Phe	Val	Leu	Leu	Gly	Leu	Ser
1				5					10					15	
Gln	Asn	Pro	Lys	Val	Glu	Lys	Leu	Leu	Phe	Val	Ile	Phe	Leu	Leu	Leu
		20					25						30		
Tyr	Leu	Ala	Thr	Ile	Gly	Gly	Asn	Met	Thr	Ile	Val	Val	Thr	Ile	Ala
	35					40						45			
Ser	Ser	Pro	Val	Leu	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ala	Phe
	50					55					60				
Leu	Ser	Leu	Leu	Asp	Ala	Cys	Val	Ser	Ser	Ile	Val	Thr	Pro	Lys	Met
65				70						75					80
Ile	Ile	Asp	Leu	Phe	Tyr	Lys	Arg	Lys	Thr	Ile	Ser	Phe	Glu	Cys	Cys
			85						90					95	
Met	Met	Gln	Val	Phe	Ser	Val	His	Phe	Phe	Ser	Ala	Val	Glu	Val	Ile
		100						105					110		
Ile	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro
	115						120					125			
Leu	His	Tyr	Ser	Ser	Ile	Met	Asn	Arg	Arg	Leu	Cys	Gly	Ile	Leu	Val
	130					135					140				
Gly	Ile	Ala	Phe	Ala	Gly	Gly	Phe	Leu	His	Ser	Ile	Ile	Gln	Ile	Ile
145					150					155					160
Phe	Thr	Leu	Gln	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Phe	Ile	Asp	His	Phe
			165						170					175	
Ile	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Thr	Asp	Thr	His
		180						185					190		
Ile	Phe	Val	Ile	Leu	Val	Phe	Ala	Asn	Ser	Gly	Ser	Ile	Cys	Ile	Ile
	195						200					205			
Ile	Phe	Ser	Phe	Leu	Leu	Val	Ser	Tyr	Val	Val	Ile	Leu	Phe	Ser	Leu
	210					215					220				
Arg	Thr	His	Ser	Ser	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Gly
225					230					235					240
Ser	His	Ile	Thr	Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile	Leu	Ile
			245						250					255	
Tyr	Ala	Arg	Pro	Thr	Ser	Pro	Phe	Ser	Leu	Glu	Lys	Asn	Val	Phe	Ile
		260						265					270		
Phe	Ala	Asp	Val	Leu	Thr	Pro	Leu	Leu	Asn	Pro	Val	Val	Tyr	Thr	Phe
	275						280					285			
Arg	Asn	Lys	Glu	Met	Lys	Asn	Ala	Ile	Arg	Lys	Met	Trp	Arg	Ser	Leu
	290					295					300				
Leu	Val	Ala	Pro	Asp	Ile	Leu	Lys								
305					310										

<210> 1979
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1979

Met	Gln	Leu	Asn	Ile	Asn	Val	Thr	Glu	Val	Ile	Leu	Leu	Gly	Leu	Thr
1				5					10					15	
Gln	Asp	Pro	Ser	Arg	Lys	Asn	Ile	Val	Phe	Ala	Ile	Phe	Leu	Leu	Phe
		20						25					30		
Tyr	Met	Gly	Thr	Leu	Leu	Gly	Asn	Leu	Leu	Ile	Ile	Val	Thr	Val	Lys
	35					40						45			
Thr	Ser	Gln	Ala	Leu	Gly	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Phe	Tyr	Leu
	50					55					60				
Ser	Leu	Ser	Asp	Thr	Cys	Phe	Ser	Thr	Thr	Val	Ala	Pro	Arg	Thr	Ile

65					70					75				80
Val	Asp	Ser	Leu	Gln	Lys	Glu	Ala	Ser	Ile	Ser	Phe	Thr	Glu	Cys Ile
				85					90					95
Ile	Gln	Ile	Phe	Thr	Phe	His	Phe	Phe	Gly	Cys	Leu	Glu	Ile	Phe Ile
			100					105					110	
Leu	Ile	Leu	Met	Ala	Val	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro Leu
		115					120					125		
His	Tyr	Met	Thr	Ile	Met	Ser	Arg	Arg	Val	Cys	Gly	Val	Leu	Val Ala
	130					135					140			
Ile	Ala	Trp	Met	Gly	Ser	Cys	Val	His	Ser	Leu	Val	Gln	Ile	Phe Leu
145					150					155				160
Ala	Leu	Ser	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp	His	Tyr Phe
				165					170					175
Cys	Asp	Leu	Gln	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ser	Asp	Thr	Tyr Leu
		180					185					190		
Ile	Asn	Leu	Leu	Leu	Val	Ser	Asn	Ser	Gly	Ala	Ile	Cys	Thr	Val Ser
	195					200					205			
Phe	Leu	Val	Leu	Met	Phe	Ser	Tyr	Val	Ile	Ile	Leu	His	Ser	Leu Arg
	210					215					220			
Asn	His	Ser	Ala	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr	Cys	Ile Ser
225					230					235				240
His	Ile	Ile	Val	Val	Ile	Leu	Phe	Phe	Gly	Pro	Cys	Ile	Phe	Ile Tyr
			245						250					255
Thr	Arg	Pro	Ala	Thr	Thr	Phe	Pro	Met	Asp	Lys	Met	Ile	Ser	Ile Phe
		260					265					270		
Tyr	Ser	Ile	Gly	Thr	Pro	Leu	Leu	Asn	Pro	Leu	Ile	Tyr	Thr	Leu Arg
	275					280					285			
Asn	Ala	Glu	Val	Lys	Asn	Ala	Met	Lys	Lys	Leu	Trp	Arg	Lys	Lys Ile
	290				295					300				
Val	Ser	Asp	Asp	Lys	Lys									
305					310									

<210> 1980
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1980

Met	Ala	Trp	Ser	Asn	His	Ser	Val	Ile	Thr	Glu	Phe	Val	Leu	Thr	Gly
1				5				10					15		
Leu	Ser	Asp	Asp	Pro	Leu	Ile	Pro	Ala	Leu	Leu	Phe	Ala	Leu	Phe	Leu
		20					25					30			
Gly	Ile	Tyr	Val	Leu	Thr	Met	Thr	Gly	Asn	Leu	Thr	Met	Leu	Leu	Val
	35					40					45				
Ile	Thr	Ala	Asp	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50				55					60					
Asn	Leu	Ser	Phe	Val	Asp	Leu	Cys	Phe	Ser	Ser	Val	Thr	Val	Pro	Lys
65				70				75						80	
Leu	Leu	Lys	Asp	Leu	Leu	Ser	Ala	Lys	Lys	Thr	Ile	Ser	Ile	Glu	Gly
		85					90					95			
Cys	Leu	Ala	Gln	Val	Phe	Phe	Val	Phe	Phe	Ser	Ser	Gly	Thr	Glu	Ala
	100						105					110			
Cys	Leu	Leu	Ser	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	His
	115					120					125				
Pro	Leu	Leu	Tyr	Gly	Gln	Val	Met	Arg	Asn	Glu	Leu	Cys	Val	Arg	Leu
	130				135					140					

Val	Val	Ile	Ser	Trp	Gly	Val	Ala	Ser	Leu	Asn	Ala	Thr	Ile	Ile	Val
145					150					155					160
Leu	Leu	Ala	Val	Asn	Leu	Asp	Phe	Cys	Gly	Ala	Gln	Thr	Ile	His	His
				165					170					175	
Tyr	Thr	Cys	Glu	Leu	Pro	Ala	Leu	Phe	Pro	Leu	Ser	Cys	Ser	Asp	Ile
			180					185					190		
Ser	Ile	Thr	Val	Val	Val	Leu	Leu	Cys	Ser	Ser	Leu	Leu	His	Gly	Leu
		195				200						205			
Gly	Thr	Phe	Ile	Pro	Ile	Phe	Phe	Ser	Tyr	Ala	Arg	Ile	Val	Ser	Ala
	210					215					220				
Ile	Leu	Ser	Ile	Ser	Ser	Thr	Thr	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Ala	Ala	Val	Thr	Leu	Phe	Phe	Gly	Ser	Gly	Phe
			245						250					255	
Leu	Cys	Tyr	Leu	Met	Pro	Pro	Ser	Gly	Ser	Ser	Leu	Asp	Leu	Leu	Leu
			260					265					270		
Ser	Leu	Gln	Tyr	Ser	Ala	Val	Thr	Pro	Met	Leu	Asn	Pro	Leu	Ile	Tyr
		275					280					285			
Ser	Leu	Lys	Asn	Gln	Glu	Val	Lys	Ala	Ala	Val	Gln	Arg	Thr	Leu	Arg
	290					295						300			
Lys	Tyr	Leu	Leu												
305															

<210> 1981
 <211> 306
 <212> PRT
 <213> Mus musculus

<400> 1981

Met	Val	Asn	Gln	Ser	Ser	Pro	Val	Val	Phe	Phe	Met	Leu	Gly	Phe	Ser
1				5					10					15	
Glu	His	Pro	Gln	Leu	Glu	Lys	Val	Leu	Phe	Val	Val	Val	Leu	Cys	Ser
			20					25					30		
Tyr	Leu	Leu	Thr	Leu	Leu	Gly	Asn	Thr	Leu	Ile	Leu	Leu	Leu	Ser	Thr
		35				40						45			
Leu	Asp	Pro	Arg	Leu	His	Ser	Pro	Met	Tyr	Phe	Phe	Leu	Ser	Asn	Leu
	50				55					60					
Ser	Phe	Leu	Asp	Leu	Cys	Phe	Thr	Thr	Thr	Cys	Val	Pro	Gln	Met	Leu
65				70					75					80	
Phe	Asn	Leu	Trp	Gly	Pro	Ala	Lys	Thr	Ile	Ser	Phe	Leu	Gly	Cys	Phe
			85					90						95	
Val	Gln	Leu	Phe	Ile	Phe	Met	Ser	Leu	Gly	Thr	Thr	Glu	Cys	Ile	Leu
		100						105					110		
Leu	Thr	Val	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Val	Cys	Gln	Pro	Leu
		115				120						125			
His	Tyr	Ala	Thr	Lys	Ile	Asn	Pro	His	Leu	Cys	Arg	Gln	Leu	Ala	Gly
	130				135						140				
Ile	Ala	Trp	Ala	Ile	Gly	Leu	Val	Gln	Ser	Ile	Val	Gln	Thr	Pro	Pro
145				150					155					160	
Thr	Leu	Lys	Leu	Pro	Phe	Cys	Ser	Tyr	Arg	Gln	Ile	Asp	Asn	Phe	Leu
			165					170					175		
Cys	Glu	Val	Pro	Ser	Leu	Ile	Gln	Leu	Ser	Cys	Gly	Asp	Thr	Thr	Tyr
		180				185						190			
Asn	Glu	Ile	Gln	Met	Ala	Val	Ala	Ser	Ile	Phe	Ile	Val	Val	Val	Pro
	195					200						205			
Leu	Ser	Leu	Ile	Leu	Val	Ser	Tyr	Gly	Ala	Ile	Ala	Arg	Ala	Val	Leu

210		215		220
Lys Ile Ser Ser Ala Lys Gly Arg Arg Lys Ala Phe Gly Thr Cys Ser				
225		230		235
Ser His Leu Ile Val Val Thr Leu Phe Tyr Ser Ser Val Ile Ala Val				
	245		250	255
Tyr Leu Gln Pro Lys Asn Pro Tyr Ala Arg Glu Arg Gly Lys Phe Phe				
	260		265	270
Gly Leu Phe Tyr Ala Val Gly Thr Pro Thr Leu Asn Pro Leu Val Tyr				
	275		280	285
Thr Leu Arg Asn Lys Gly Gly Lys Lys Ser Ile Leu Glu Ala Ala Lys				
	290	295		300
Glu Arg				
305				

<210> 1982
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 1982

Met Gly Gln Arg Ser Asn Val Thr Glu Phe Ile Leu Leu Gly Leu Thr				
1	5	10	15	
Gln Asp His Val Gly Gln Arg Ala Leu Phe Val Met Phe Leu Leu Ile				
	20	25	30	
Tyr Ile Val Thr Ile Val Gly Asn Leu Leu Ile Val Gly Thr Val Ile				
	35	40	45	
Ala Ser Pro Ser Leu Gly Thr Pro Met Tyr Phe Phe Leu Ala Tyr Leu				
	50	55	60	
Ser Leu Leu Asp Ala Val Tyr Ser Thr Ala Ile Ser Pro Lys Leu Met				
65	70	75	80	
Val Asp Leu Leu Cys Asp Arg Lys Thr Ile Ser Phe Ser Ala Cys Met				
	85	90	95	
Thr Gln Leu Phe Leu Glu His Leu Leu Gly Gly Ala Glu Val Phe Leu				
	100	105	110	
Leu Met Val Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Lys Pro Leu				
	115	120	125	
His Tyr Leu Ile Ile Met Asn Arg Arg Val Cys Phe Leu Leu Leu Val				
	130	135	140	
Val Ser Trp Ala Gly Gly Leu Ala His Ser Val Ala Gln Leu Leu Phe				
145	150	155	160	
Val Tyr Asn Leu Pro Phe Cys Gly Pro Asn Val Ile Asp His Phe Ile				
	165	170	175	
Cys Asp Met Tyr Pro Leu Leu Gly Leu Ala Cys Thr Asp Thr His Ile				
	180	185	190	
Ile Gly Leu Thr Val Val Ala Asn Gly Gly Ala Ile Cys Met Leu Val				
	195	200	205	
Phe Ile Ile Leu Ile Ile Ser Tyr Gly Ile Ile Leu Arg Ser Leu Lys				
	210	215	220	
Thr His Ser Gln Glu Gly Arg Gln Lys Ala Leu Ser Thr Cys Ser Ser				
225	230	235	240	
His Ile Met Val Val Val Leu Phe Phe Val Pro Cys Ile Phe Met Tyr				
	245	250	255	
Val Arg Pro Val His Asn Phe Pro Ile Asp Lys Ser Ile Thr Val Phe				
	260	265	270	
Tyr Thr Ile Val Thr Pro Ile Leu Asn Pro Leu Ile Tyr Ala Leu Arg				
	275	280	285	

Asn	Ser	Glu	Met	Lys	Arg	Ser	Met	Glu	Asn	Leu	Leu	Tyr	Lys	Val	Phe
290						295					300				
Pro	Arg	Asp	Lys	Ile	Thr	Met	Ser	Phe	His						
305					310										

<210> 1983
 <211> 313
 <212> PRT
 <213> Mus musculus

Met	Glu	Leu	His	Ser	Pro	Pro	Ser	Asn	Val	Thr	Glu	Phe	Val	Leu	Leu
1				5				10						15	
Gly	Leu	Thr	Gln	Asn	Pro	Arg	Leu	Gln	Lys	Ile	Leu	Phe	Ile	Val	Phe
			20					25					30		
Leu	Phe	Val	Phe	Leu	Phe	Thr	Val	Leu	Ala	Asn	Leu	Leu	Ile	Val	Leu
		35					40					45			
Thr	Ile	Ser	Phe	Ser	Pro	Thr	Leu	Ser	Ala	Pro	Met	Tyr	Phe	Phe	Leu
	50					55					60				
Thr	Tyr	Leu	Ser	Phe	Ile	Asp	Ala	Phe	Tyr	Thr	Ser	Val	Thr	Thr	Pro
65					70					75					80
Lys	Met	Ile	Ile	Asp	Leu	Leu	Tyr	Gln	Arg	Arg	Thr	Ile	Ser	Leu	Ala
				85					90					95	
Gly	Cys	Leu	Thr	Gln	Leu	Phe	Val	Glu	His	Phe	Leu	Gly	Gly	Ser	Glu
			100					105					110		
Ile	Ile	Leu	Leu	Ile	Val	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys
		115					120					125			
Lys	Pro	Leu	His	Tyr	Met	Thr	Ile	Met	Arg	Gln	Gly	Leu	Cys	Arg	Leu
	130					135					140				
Leu	Val	Val	Val	Ala	Trp	Ile	Gly	Gly	Ile	Leu	His	Ala	Thr	Met	Gln
145					150					155					160
Ile	Phe	Phe	Met	Ile	Asn	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Val	Ile	Asp
			165						170					175	
His	Phe	Met	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Arg	Asp
		180						185					190		
Thr	His	Lys	Leu	Gly	Ile	Ile	Val	Ala	Ala	Asn	Ser	Gly	Ala	Met	Cys
	195						200					205			
Phe	Leu	Ile	Phe	Thr	Met	Leu	Leu	Ile	Ser	Tyr	Ile	Val	Ile	Leu	Arg
	210					215					220				
Ser	Leu	Lys	Ser	His	Ser	Ser	Glu	Gly	Arg	Arg	Lys	Ala	Leu	Ser	Thr
225					230					235					240
Cys	Gly	Ser	His	Phe	Thr	Val	Val	Val	Leu	Phe	Phe	Val	Pro	Cys	Ile
			245						250					255	
Phe	Thr	Tyr	Met	Arg	Pro	Val	Thr	Thr	Tyr	Pro	Val	Asp	Lys	Leu	Val
		260						265					270		
Thr	Val	Phe	Phe	Ala	Ile	Leu	Thr	Pro	Met	Leu	Asn	Pro	Ile	Ile	Tyr
	275						280					285			
Thr	Ala	Arg	Asn	Thr	Glu	Val	Lys	Asn	Ala	Met	Arg	Asn	Leu	Leu	Lys
	290					295					300				
Arg	Gln	Val	Thr	Tyr	Pro	Val	Leu	Lys							
305					310										

<210> 1984
 <211> 316
 <212> PRT

<213> Mus musculus

<400> 1984

Met	Glu	Pro	Trp	Asn	Ser	Thr	Leu	Gly	Ser	Gly	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Ile	Leu	Asp	Gly	Ser	Gly	Ser	Pro	Glu	Leu	Leu	Cys	Ala	Thr	Ile	Ala
		20						25					30		
Ala	Leu	Tyr	Met	Leu	Ala	Leu	Ile	Ser	Asn	Gly	Met	Leu	Ile	Leu	Val
		35					40					45			
Ile	Thr	Met	Asp	Ile	Tyr	Leu	His	Val	Pro	Met	Tyr	Leu	Leu	Leu	Glu
	50					55					60				
Gln	Leu	Ser	Leu	Met	Asp	Leu	Leu	Leu	Ala	Ser	Val	Ile	Ser	Pro	Lys
65					70					75					80
Ala	Val	Met	Asp	Phe	Leu	Leu	Lys	Asp	Asn	Thr	Ile	Thr	Phe	Gly	Gly
				85					90					95	
Cys	Ala	Leu	Gln	Met	Phe	Leu	Glu	Leu	Ala	Leu	Gly	Ser	Ala	Glu	Asp
			100					105					110		
Leu	Leu	Leu	Ala	Phe	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
		115				120						125			
Pro	Leu	Asn	Tyr	Met	Ile	Phe	Met	Arg	Pro	Ser	Ile	Cys	Trp	Leu	Met
	130					135					140				
Val	Ala	Ile	Ser	Trp	Ile	Pro	Ala	Ser	Leu	Ser	Ala	Leu	Gly	Tyr	Thr
145					150					155					160
Ile	Tyr	Thr	Met	Gln	Tyr	Pro	Phe	Cys	Lys	Ser	Arg	Glu	Ile	Arg	His
				165					170					175	
Leu	Phe	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr
			180					185					190		
Ser	Arg	Tyr	Gln	Leu	Met	Val	Tyr	Leu	Met	Gly	Val	Thr	Leu	Leu	Ile
		195					200					205			
Pro	Pro	Leu	Ala	Ala	Ile	Leu	Ala	Ser	Tyr	Ser	Leu	Ile	Leu	Phe	Thr
	210					215					220				
Val	Leu	Lys	Met	Pro	Ser	Asn	Glu	Gly	Arg	Lys	Lys	Ala	Leu	Val	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Thr	Val	Val	Gly	Met	Tyr	Tyr	Gly	Pro	Leu	Thr
				245					250					255	
Val	Met	Tyr	Ile	Leu	Pro	Ser	Ser	Tyr	His	Ser	Ser	Lys	Gln	Glu	Asn
			260					265					270		
Ile	Leu	Ser	Phe	Leu	Tyr	Thr	Ile	Val	Thr	Pro	Ala	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Ser	Gly	Ala	Leu	Lys	Arg	Val
	290				295						300				
Leu	Gly	Lys	Arg	Leu	Leu	Ser	Thr	His	Pro	Asn	Phe				
305					310					315					

<210> 1985

<211> 315

<212> PRT

<213> Mus musculus

<400> 1985

Met	Glu	Val	Cys	Asn	Ser	Thr	Leu	Gly	Ser	Gly	Phe	Ile	Leu	Val	Gly
1				5					10					15	
Ile	Leu	Asp	Asp	Ser	Gly	Phe	Pro	Glu	Leu	Leu	Cys	Ala	Thr	Ile	Thr
		20						25					30		
Ala	Leu	Tyr	Phe	Leu	Ala	Ile	Thr	Ser	Asn	Gly	Leu	Leu	Leu	Val	
		35					40					45			

Ile	Thr	Met	Asp	Ala	Arg	Leu	His	Val	Pro	Met	Tyr	Leu	Leu	Leu	Trp
50						55					60				
Gln	Leu	Ser	Leu	Met	Asp	Leu	Leu	Leu	Thr	Ser	Val	Ile	Thr	Pro	Lys
65					70					75					80
Ala	Ile	Leu	Asp	Tyr	Leu	Leu	Lys	Asp	Asn	Thr	Ile	Ser	Phe	Gly	Gly
				85					90					95	
Cys	Ala	Leu	Gln	Met	Phe	Leu	Glu	Leu	Thr	Leu	Gly	Ser	Ala	Glu	Asp
			100					105					110		
Leu	Leu	Leu	Ala	Phe	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	His
		115					120					125			
Pro	Leu	Asn	Tyr	Thr	Ile	Leu	Met	Ser	Gln	Lys	Val	Cys	Cys	Leu	Met
	130					135					140				
Ile	Ala	Thr	Ser	Trp	Ile	Leu	Ala	Ser	Leu	Ser	Ala	Leu	Gly	Tyr	Ser
145					150					155					160
Ile	Tyr	Thr	Met	Gln	Tyr	Pro	Phe	Cys	Lys	Ser	Arg	Gln	Ile	Arg	His
				165					170					175	
Leu	Phe	Cys	Glu	Ile	Pro	Pro	Leu	Leu	Lys	Leu	Ala	Cys	Ala	Asp	Thr
			180					185					190		
Ser	Thr	Tyr	Glu	Leu	Met	Val	Tyr	Val	Met	Gly	Val	Thr	Leu	Leu	Ile
		195					200					205			
Pro	Pro	Leu	Ala	Ala	Ile	Leu	Ala	Ser	Tyr	Ser	Leu	Ile	Leu	Phe	Thr
	210					215					220				
Val	Leu	His	Met	Pro	Ser	Asn	Glu	Gly	Arg	Lys	Lys	Ala	Leu	Val	Thr
225					230					235					240
Cys	Ser	Ser	His	Leu	Thr	Val	Val	Gly	Met	Trp	Tyr	Gly	Gly	Ala	Ile
				245					250					255	
Val	Met	Tyr	Val	Leu	Pro	Ser	Ser	Phe	His	Ser	Pro	Lys	Gln	Asp	Asn
			260					265					270		
Ile	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Phe	Thr	Pro	Ala	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Thr	Gly	Ala	Leu	Arg	Arg	Val
	290				295						300				
Leu	Gly	Lys	Arg	Phe	Ser	Val	Gln	Ser	Thr	Phe					
305					310					315					

<210> 1986
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1986

Met	Leu	Met	Ile	Gln	Trp	Asn	Asn	Trp	Thr	Arg	Asn	Ser	Asp	Phe	Ile
1				5					10					15	
Leu	Leu	Gly	Leu	Phe	Asp	His	Ser	Pro	Leu	His	Thr	Phe	Phe	Phe	Ser
			20					25					30		
Leu	Ile	Leu	Gly	Ile	Phe	Phe	Met	Ala	Phe	Ile	Gly	Asn	Ser	Ile	Met
		35					40					45			
Val	Ile	Leu	Ile	Tyr	Leu	Asp	Ala	His	Leu	His	Thr	Pro	Met	Tyr	Ile
	50					55					60				
Leu	Leu	Ser	Gln	Leu	Ser	Leu	Met	Asp	Leu	Met	Leu	Ile	Cys	Thr	Thr
65					70					75					80
Val	Pro	Gln	Met	Ala	Phe	Asn	Phe	Leu	Ser	Gly	Asn	Lys	Ser	Ile	Ser
				85					90					95	
Met	Val	Gly	Cys	Gly	Ile	Gln	Ile	Phe	Phe	Tyr	Val	Ser	Leu	Leu	Gly
			100					105					110		
Ala	Glu	Cys	Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala

Asn	Gln	Leu	Glu	Leu	Met	Val	Ser	Ala	Asn	Ser	Gly	Phe	Ile	Ser	Val
	195						200					205			
Gly	Ser	Phe	Phe	Ile	Leu	Val	Ile	Ser	Tyr	Ile	Val	Ile	Ile	Val	Thr
	210					215					220				
Val	Gln	Lys	His	Ser	Ser	Ser	Gly	Ser	Ser	Lys	Ala	Leu	Ser	Thr	Leu
225					230					235					240
Ser	Ala	His	Ile	Ser	Val	Val	Val	Leu	Phe	Phe	Gly	Pro	Leu	Ile	Phe
			245						250					255	
Val	Tyr	Thr	Trp	Pro	Ser	Pro	Ser	Thr	His	Leu	Asp	Lys	Tyr	Leu	Ala
			260					265					270		
Ile	Phe	Asp	Ala	Val	Gly	Thr	Pro	Phe	Leu	Asn	Pro	Val	Ile	Tyr	Thr
		275					280					285			
Leu	Arg	Asn	Gln	Asp	Met	Lys	Thr	Ala	Met	Lys	Arg	Val	Cys	Arg	Gln
	290					295					300				
Leu	Leu	Lys	Tyr	Gly	Lys	Ile	Ser								
305						310									

<210> 1988

<211> 312

<212> PRT

<213> Mus musculus

<400> 1988

Met	Gly	Glu	Ala	Asn	Cys	Ser	Val	Val	Ser	Glu	Phe	Val	Phe	Leu	Gly
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Leu	Ser	Asn	Ser	Trp	Ala	Ile	Gln	Leu	Phe	Leu	Phe	Phe	Phe	Ser	Cys
		20					25					30			
Ile	Phe	Tyr	Val	Ala	Ser	Leu	Leu	Gly	Asn	Phe	Leu	Ile	Val	Leu	Thr
	35					40					45				
Val	Thr	Ser	Asp	Pro	Gln	Leu	Gln	Ser	Pro	Met	Tyr	Phe	Leu	Leu	Gly
	50				55					60					
Asn	Leu	Ser	Ile	Ile	Asp	Leu	Ile	Phe	Cys	Ser	Ser	Thr	Thr	Pro	Lys
65					70				75					80	
Met	Ile	Tyr	Asp	Leu	Phe	Arg	Arg	His	Lys	Thr	Ile	Ser	Phe	Gly	Gly
			85					90					95		
Cys	Ile	Thr	Gln	Ile	Phe	Phe	Ile	His	Ala	Val	Gly	Gly	Thr	Glu	Met
		100					105					110			
Val	Leu	Leu	Ile	Ala	Met	Ala	Phe	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys
	115					120					125				
Pro	Leu	His	Tyr	Leu	Thr	Ile	Met	Ser	Pro	Gln	Lys	Cys	Ile	Leu	Ile
	130				135					140					
Leu	Val	Ala	Ser	Trp	Ile	Ile	Gly	Phe	Ile	His	Ser	Val	Thr	Gln	Leu
145				150					155					160	
Ser	Phe	Val	Val	Asp	Leu	Pro	Phe	Cys	Gly	Pro	Asn	Glu	Leu	Asp	Ser
			165					170					175		
Phe	Phe	Cys	Asp	Leu	Pro	Arg	Phe	Ile	Lys	Leu	Ala	Cys	Val	Asp	Thr
		180					185					190			
Tyr	Thr	Leu	Gly	Phe	Met	Val	Thr	Ala	Asn	Ser	Gly	Phe	Ile	Ser	Val
	195					200					205				
Ala	Ser	Phe	Leu	Ile	Leu	Ile	Ile	Ser	Tyr	Ile	Phe	Ile	Leu	Val	Thr
	210				215						220				
Val	Gln	Lys	Lys	Ser	Leu	Gly	Ser	Leu	Gly	Lys	Ala	Leu	Ser	Thr	Leu
225				230					235					240	
Ser	Ala	His	Val	Ile	Val	Val	Val	Leu	Phe	Phe	Gly	Pro	Leu	Ile	Phe
			245					250					255		
Phe	Tyr	Thr	Trp	Pro	Phe	Pro	Thr	Ser	His	Leu	Asp	Lys	Phe	Leu	Ala

<210> 1990
 <211> 320
 <212> PRT
 <213> Mus musculus

<400> 1990

Met	Met	Ile	Leu	Met	Ser	Glu	Ala	Met	Tyr	Gly	Met	Asn	Cys	Ser	Val
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Val	Ser	Glu	Phe	Val	Phe	Leu	Gly	Ile	Thr	Asn	Ile	Trp	Glu	Val	Gln
		20						25					30		
Phe	Leu	Leu	Phe	Phe	Phe	Thr	Leu	Leu	Phe	Tyr	Phe	Ala	Ser	Met	Ile
		35					40					45			
Gly	Asn	Leu	Val	Ile	Val	Leu	Thr	Val	Thr	Leu	Asp	Pro	His	Leu	Asn
	50					55					60				
Ser	Pro	Leu	Tyr	Phe	Leu	Leu	Ala	Asn	Leu	Ser	Val	Ile	Asp	Met	Ile
65					70					75					80
Phe	Cys	Ser	Ile	Thr	Ala	Pro	Lys	Met	Ile	Cys	Asp	Ile	Phe	Lys	Lys
				85					90					95	
His	Lys	Thr	Ile	Ser	Phe	Trp	Gly	Cys	Ile	Thr	Gln	Ile	Phe	Phe	Ser
			100					105					110		
His	Ala	Val	Gly	Gly	Thr	Glu	Met	Val	Leu	Leu	Ile	Ala	Met	Ala	Phe
		115					120					125			
Asp	Arg	Tyr	Val	Ala	Ile	Cys	Lys	Pro	Leu	His	Tyr	Leu	Ile	Ile	Met
	130					135					140				
Ser	Pro	Arg	Val	Cys	Leu	Phe	Phe	Leu	Ile	Thr	Ser	Trp	Val	Ile	Gly
145					150					155					160
Leu	Ile	His	Ser	Val	Val	Gln	Leu	Val	Phe	Val	Val	Asp	Leu	Pro	Phe
				165					170					175	
Cys	Gly	Pro	Asn	Thr	Leu	Asp	Ser	Phe	Tyr	Cys	Asp	Leu	Pro	Arg	Leu
			180					185					190		
Leu	Arg	Leu	Ala	Cys	Thr	Asn	Thr	Gln	Glu	Leu	Glu	Leu	Met	Val	Thr
		195					200					205			
Val	Asn	Ser	Gly	Leu	Ile	Ser	Val	Gly	Ser	Phe	Leu	Leu	Leu	Val	Ile
	210					215					220				
Ser	Tyr	Ile	Phe	Ile	Leu	Phe	Thr	Val	Trp	Lys	His	Ser	Ser	Cys	Gly
225					230					235					240
Leu	Ser	Lys	Ala	Leu	Ser	Thr	Leu	Ser	Ala	His	Ile	Thr	Val	Val	Ile
			245						250					255	
Leu	Phe	Phe	Gly	Pro	Leu	Met	Phe	Phe	Tyr	Thr	Trp	Pro	Ser	Pro	Thr
		260					265						270		
Ser	His	Leu	Asp	Lys	Tyr	Leu	Ala	Ile	Phe	Asp	Ala	Phe	Ile	Thr	Pro
		275					280					285			
Phe	Leu	Asn	Pro	Val	Ile	Tyr	Thr	Phe	Arg	Asn	Lys	Asp	Met	Lys	Val
	290					295					300				
Ala	Met	Gly	Arg	Leu	Trp	Gly	Tyr	Leu	Arg	His	Tyr	Arg	Lys	Met	Ser
305					310					315					320

<210> 1991
 <211> 310
 <212> PRT
 <213> Mus musculus

<400> 1991

Met	Gly	Asn	Gly	Thr	Thr	Val	Gln	Glu	Phe	Thr	Leu	Glu	Gly	Phe	Pro
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Ala	Val	Gln	His	Leu	Gly	Arg	Leu	Leu	Phe	Ser	Leu	Asn	Leu	Leu	Ala

His	Ser	Cys	Val	Phe	Gln	Leu	Tyr	Ile	Ser	Leu	Ala	Leu	Gly	Gly	Ser
			100					105					110		
Glu	Phe	Phe	Leu	Leu	Gly	Ala	Met	Ser	Tyr	Asp	Arg	Tyr	Val	Ala	Val
		115					120					125			
Cys	His	Pro	Leu	His	Tyr	Thr	Val	Ile	Met	Asp	Gly	Gly	Val	Cys	Leu
	130					135					140				
Gly	Leu	Ala	Ala	Ser	Cys	Leu	Met	Ala	Gly	Phe	Phe	Asn	Ser	Leu	Met
145					150					155					160
Glu	Thr	Val	Ile	Thr	Phe	Arg	Leu	Pro	Leu	Cys	His	Asn	Val	Ile	Asn
			165						170					175	
His	Phe	Ala	Cys	Glu	Thr	Leu	Ala	Val	Leu	Arg	Leu	Ala	Cys	Val	Asp
			180					185					190		
Ile	Ser	Phe	Asn	Lys	Val	Met	Val	Ala	Ile	Ser	Gly	Phe	Leu	Val	Ile
	195					200					205				
Met	Leu	Pro	Cys	Cys	Leu	Val	Leu	Phe	Ser	Tyr	Thr	Arg	Ile	Val	Ile
	210					215					220				
Ala	Ile	Leu	Arg	Ile	Arg	Ser	Thr	Gln	Gly	Arg	His	Lys	Ala	Phe	Gly
225					230					235					240
Thr	Cys	Ala	Ser	His	Leu	Thr	Val	Val	Cys	Met	Cys	Phe	Gly	Ala	Thr
				245					250					255	
Ile	Phe	Thr	Tyr	Leu	Gly	Pro	Arg	Ser	Ala	Ser	Ser	Glu	Asp	Lys	Glu
		260					265						270		
Lys	Met	Val	Ala	Leu	Phe	Tyr	Ala	Val	Val	Ala	Pro	Thr	Leu	Asn	Pro
	275					280					285				
Val	Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Glu	Val	Met	Ala	Ala	Leu	Thr	Lys
	290					295					300				
Leu	Val	Glu	Lys	Leu	Arg										
305					310										

<210> 1993
 <211> 313
 <212> PRT
 <213> Mus musculus

<400> 1993

Met	Lys	Arg	Asp	Asn	Ala	Thr	Trp	Val	Ser	Glu	Phe	Ile	Leu	Met	Gly
1				5					10					15	
Leu	Ser	Ser	Asp	Lys	His	Ile	Gln	Ala	Gly	Leu	Phe	Val	Leu	Phe	Gly
			20					25					30		
Val	Thr	Tyr	Leu	Leu	Thr	Leu	Leu	Gly	Asn	Gly	Leu	Ile	Val	Leu	Leu
	35					40						45			
Ile	Ala	Leu	Asp	Pro	Arg	Leu	His	Leu	Pro	Met	Tyr	Phe	Phe	Leu	Cys
	50					55					60				
His	Leu	Ser	Val	Val	Asp	Ile	Cys	Tyr	Thr	Ser	Ser	Gly	Val	Pro	Gln
65					70					75					80
Met	Leu	Ala	His	Phe	Leu	Met	Glu	Lys	Lys	Thr	Ile	Ser	Phe	Ala	Leu
			85						90					95	
Cys	Gly	Thr	Gln	His	Phe	Phe	Ala	Leu	Ala	Leu	Gly	Gly	Thr	Glu	Phe
			100					105					110		
Leu	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Val	Cys	Asn
			115					120					125		
Pro	Leu	Arg	Tyr	Thr	Val	Val	Met	Asn	Pro	Arg	Leu	Cys	Met	Gly	Leu
	130					135					140				
Ala	Gly	Val	Ser	Trp	Phe	Val	Gly	Val	Val	Asn	Ser	Ala	Val	Glu	Thr
145					150					155					160
Ala	Val	Thr	Met	Arg	Leu	Pro	Thr	Cys	Gly	His	Asn	Val	Leu	Asn	His

305

310

<210> 1996
 <211> 308
 <212> PRT
 <213> Mus musculus

<400> 1996
 Met Gly Thr Gly Asn His Ser Val Thr Val Val Phe Val Leu Val Gly
 1 5 10 15
 Leu Thr Gln Gln Pro Glu Leu Leu Leu Pro Leu Phe Ile Leu Phe Leu
 20 25 30
 Gly Ile Tyr Val Val Thr Ala Val Gly Asn Leu Gly Met Ile Leu Leu
 35 40 45
 Ile Thr Val Ser Pro Leu Leu His Thr Pro Met Tyr Tyr Phe Leu Ser
 50 55 60
 Ser Leu Ser Cys Val Asp Leu Cys Tyr Ser Thr Val Ile Thr Pro Lys
 65 70 75 80
 Met Leu Val Asn Phe Leu Gly Lys Lys Asn Leu Ile Val Tyr Ser Glu
 85 90 95
 Cys Met Ala Gln Leu Phe Phe Phe Val Ile Phe Val Val Ala Glu Gly
 100 105 110
 Tyr Leu Leu Thr Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys Arg
 115 120 125
 Pro Leu Leu Tyr Asn Val Ile Met Ser Ser Arg Leu Cys Ser Leu Leu
 130 135 140
 Val Leu Val Ala Phe Ile Leu Gly Phe Val Ser Ala Leu Ala His Thr
 145 150 155 160
 Ser Ala Met Met Asn Leu Ser Phe Cys Lys Ser His Val Ile Ser His
 165 170 175
 Tyr Phe Cys Asp Val Leu Pro Leu Leu Asn Leu Ser Cys Ser Asp Ile
 180 185 190
 Lys Leu Asn Glu Leu Leu Leu Phe Ile Ile Ala Gly Phe Asn Thr Leu
 195 200 205
 Val Pro Thr Leu Ala Val Ala Ile Ser Tyr Val Phe Ile Phe Cys Ser
 210 215 220
 Ile Leu His Ile Lys Ser Ser Lys Gly Arg Ser Lys Ala Phe Gly Thr
 225 230 235 240
 Cys Ser Ser His Leu Met Ala Val Gly Ile Phe Phe Gly Ser Ile Thr
 245 250 255
 Phe Met Tyr Phe Lys Pro Pro Ser Ser Asn Ser Leu Glu Gln Glu Lys
 260 265 270
 Val Ser Ser Val Phe Tyr Thr Thr Val Ile Pro Met Leu Asn Pro Leu
 275 280 285
 Ile Tyr Ser Leu Arg Asn Lys Asp Val Lys Lys Ala Leu Gly Lys Cys
 290 295 300
 Leu Ala Gly Arg
 305

<210> 1997
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1997

Met	Gln	Val	Gln	Met	Ala	Asp	Thr	Asn	His	Ser	Thr	Val	Thr	Glu	Phe
1				5					10					15	
Ile	Leu	Ala	Gly	Leu	Thr	Asp	Lys	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe
			20					25					30		
Leu	Leu	Phe	Leu	Gly	Ile	Tyr	Leu	Leu	Thr	Val	Leu	Gly	Asn	Leu	Gly
		35					40					45			
Met	Ile	Ile	Leu	Ile	Leu	Leu	Ser	Ser	His	Leu	His	Thr	Pro	Met	Tyr
	50					55					60				
Phe	Phe	Leu	Ser	Ser	Leu	Ser	Phe	Ile	Asp	Leu	Cys	Tyr	Ser	Thr	Val
65					70				75						80
Ile	Thr	Pro	Lys	Met	Leu	Val	Asn	Phe	Val	Ala	Lys	Lys	Asn	Val	Ile
				85					90					95	
Ser	Tyr	Glu	Glu	Cys	Met	Thr	Gln	Leu	Tyr	Phe	Phe	Leu	Ala	Phe	Val
			100					105					110		
Ile	Ser	Glu	Cys	His	Met	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val
		115					120					125			
Ala	Ile	Cys	Asn	Pro	Leu	Leu	Tyr	Asn	Val	Thr	Met	Ser	Tyr	Gln	Ile
						135					140				
Cys	Ser	Trp	Met	Val	Gly	Gly	Val	Tyr	Gly	Met	Gly	Leu	Ile	Gly	Ala
145					150				155						160
Ala	Val	His	Thr	Leu	Cys	Met	Leu	Arg	Val	Val	Phe	Cys	Lys	Ala	Asn
				165					170					175	
Ile	Ile	Asn	His	Tyr	Phe	Cys	Asp	Leu	Phe	Pro	Leu	Met	Glu	Leu	Ala
		180					185						190		
Cys	Ser	Ser	Thr	Tyr	Val	Asn	Glu	Val	Val	Leu	Leu	Cys	Leu	Ser	Ala
		195				200						205			
Phe	Asn	Ile	Phe	Ile	Pro	Thr	Leu	Thr	Ile	Leu	Gly	Ser	Tyr	Ile	Phe
	210					215					220				
Ile	Ile	Ile	Ser	Ile	Leu	Arg	Ile	Lys	Ser	Thr	Glu	Gly	Arg	Phe	Lys
225					230					235					240
Ala	Phe	Ser	Thr	Cys	Ser	Ser	His	Phe	Ser	Ala	Val	Ser	Val	Phe	Phe
				245					250					255	
Gly	Ser	Leu	Ala	Phe	Met	Tyr	Leu	Gln	Pro	Phe	Ser	Val	Ser	Ser	Lys
			260					265					270		
Asp	Lys	Gly	Lys	Val	Ser	Ser	Val	Phe	Tyr	Thr	Thr	Ile	Val	Pro	Met
	275						280					285			
Leu	Asn	Pro	Met	Ile	Tyr	Ser	Leu	Arg	Asn	Arg	Asp	Val	Lys	Leu	Ala
	290					295					300				
Leu	Asn	Lys	Leu	Phe	Gln	Lys	Lys	Phe	His	Val					
305					310					315					

<210> 1998

<211> 311

<212> PRT

<213> Mus musculus

<400> 1998

Met	Ala	Thr	Gly	Asn	Tyr	Cys	Met	Leu	Pro	Glu	Phe	Ile	Leu	Thr	Gly
1				5					10					15	
Leu	Ser	Lys	Lys	Pro	Gln	Leu	Gln	Met	Pro	Leu	Phe	Leu	Leu	Phe	Leu
			20					25					30		
Gly	Ile	Tyr	Val	Val	Thr	Val	Val	Gly	Asn	Leu	Gly	Met	Ile	Thr	Leu
		35					40					45			
Ile	Lys	Leu	Ser	Ser	His	Leu	His	Thr	Pro	Met	Tyr	Tyr	Phe	Leu	Ser
	50					55					60				
Ser	Leu	Ser	Phe	Ile	Asp	Leu	Cys	His	Ser	Thr	Val	Ile	Thr	Pro	Lys

65					70					75					80
Met	Leu	Val	Asn	Phe	Val	Ile	Glu	Lys	Asn	Ile	Ile	Ser	Tyr	Thr	Gly
				85					90					95	
Cys	Met	Ala	Gln	Leu	Tyr	Phe	Phe	Leu	Ile	Phe	Ala	Ile	Ala	Glu	Cys
			100					105					110		
His	Met	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Cys	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Asn	Val	Thr	Met	Ser	Tyr	Gln	Ile	Tyr	Thr	Ser	Leu
	130					135					140				
Ile	Phe	Gly	Val	Tyr	Ile	Ile	Gly	Val	Val	Cys	Ala	Ser	Ala	His	Thr
145					150					155					160
Gly	Phe	Met	Ile	Arg	Ile	Gln	Phe	Cys	Asn	Leu	Glu	Val	Ile	Asn	His
				165					170					175	
Tyr	Phe	Cys	Asp	Leu	Leu	Pro	Leu	Leu	Glu	Leu	Ala	His	Ser	Ser	Thr
			180					185					190		
Tyr	Val	Asn	Glu	Leu	Leu	Val	Leu	Cys	Phe	Gly	Thr	Phe	Asn	Ile	Val
		195					200					205			
Val	Pro	Thr	Met	Thr	Ile	Leu	Thr	Ser	Tyr	Ile	Phe	Ile	Ile	Ala	Asn
	210					215					220				
Ile	Leu	Arg	Ile	Arg	Ser	Thr	Gly	Gly	Arg	Ser	Lys	Ala	Phe	Ser	Thr
225					230					235					240
Cys	Ser	Ser	His	Ile	Leu	Ala	Val	Ala	Val	Phe	Phe	Gly	Ser	Ala	Ala
			245						250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Val	Ser	Ser	Met	Asp	Gln	Gly	Lys
			260					265				270			
Val	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Val	Val	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Ser	Val	Ala	Leu	Lys	Lys	Ile
	290					295					300				
Leu	Glu	Arg	Lys	Leu	Phe	Met									
305					310										

<210> 1999
 <211> 315
 <212> PRT
 <213> Mus musculus

<400> 1999

Met	Glu	Glu	Ile	Asn	Asp	Thr	Ser	Val	Ala	Glu	Phe	Ile	Leu	Thr	Gly
1				5					10					15	
Leu	Thr	Glu	Asn	Pro	Glu	Leu	Gln	Leu	Pro	Leu	Phe	Leu	Ile	Phe	Leu
			20					25					30		
Ala	Val	Tyr	Leu	Val	Thr	Val	Val	Gly	Asn	Leu	Gly	Met	Ile	Val	Leu
		35					40					45			
Ile	Leu	Ile	Ser	Ser	Gln	Leu	His	Thr	Pro	Met	Tyr	Tyr	Leu	Leu	Arg
	50					55					60				
Ser	Leu	Ser	Phe	Ile	Asp	Cys	Cys	Gln	Ser	Thr	Val	Ile	Ile	Pro	Lys
65					70					75					80
Met	Leu	Leu	Asn	Phe	Val	Thr	Glu	Met	Asn	Ile	Ile	Ser	Tyr	Pro	Gln
				85					90					95	
Cys	Ile	Ala	Gln	Phe	Tyr	Phe	Phe	Cys	Ala	Phe	Ala	Val	Ser	Glu	Cys
			100					105					110		
His	Met	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala	Ile	Ser	Asn
		115					120					125			
Pro	Leu	Leu	Tyr	Asn	Val	Thr	Met	Ser	Tyr	Gln	Val	Cys	Ser	Leu	Met
	130					135					140				

Val	Ala	Val	Val	Tyr	Gly	Ile	Gly	Leu	Ile	Ser	Ala	Thr	Ala	His	Thr
145					150					155					160
Val	Phe	Leu	Leu	Arg	Val	Leu	Phe	Cys	Lys	Ser	Asp	Ile	Ile	Asn	His
				165					170						175
Tyr	Phe	Cys	Asp	Leu	Phe	Pro	Leu	Leu	Glu	Leu	Ser	Cys	Ser	Ser	Thr
			180					185					190		
Tyr	Ile	Asn	Glu	Val	Leu	Ala	Leu	Ser	Phe	Ser	Ala	Phe	Asn	Ile	Ile
		195					200					205			
Val	Pro	Ala	Leu	Thr	Ile	Leu	Ser	Ser	Tyr	Ile	Phe	Ile	Ile	Val	Ser
	210						215				220				
Val	Leu	His	Ile	Gln	Ser	Thr	Gly	Gly	Arg	Val	Lys	Ala	Phe	Arg	Thr
225						230				235					240
Cys	Ser	Ser	His	Ile	Met	Ala	Val	Ala	Ile	Phe	Phe	Gly	Ser	Thr	Val
				245					250					255	
Phe	Met	Tyr	Leu	Gln	Pro	Ser	Ser	Val	Ser	Ser	Met	Asp	Gln	Gly	Lys
			260					265					270		
Val	Ser	Ser	Val	Phe	Tyr	Thr	Ile	Val	Val	Pro	Met	Leu	Asn	Pro	Leu
		275					280					285			
Ile	Tyr	Ser	Leu	Arg	Asn	Lys	Asp	Val	Arg	Val	Ser	Leu	Lys	Lys	Leu
	290					295					300				
Leu	Gln	Lys	Ile	Ser	Phe	Leu	Lys	Thr	Lys	Asn					
305						310				315					

<210> 2000
 <211> 314
 <212> PRT
 <213> Mus musculus

<400> 2000

Met	Glu	Glu	Lys	Asn	Gln	Thr	Val	Met	Pro	Glu	Phe	Leu	Phe	Leu	Gly
1				5					10					15	
Ile	Thr	Asp	Asn	Phe	His	Gln	Lys	Ile	Val	Ile	Phe	Ile	Ile	Phe	Phe
			20					25					30		
Phe	Val	Tyr	Leu	Val	Thr	Leu	Gly	Gly	Asn	Val	Gly	Met	Ile	Ala	Leu
		35					40					45			
Ile	Trp	Leu	Asp	Pro	Arg	Leu	His	Thr	Pro	Met	Tyr	Phe	Phe	Leu	Ser
	50					55					60				
Gln	Leu	Ser	Phe	Val	Asp	Val	Ser	Ser	Ser	Ser	Ile	Ala	Pro	Lys	
65					70				75					80	
Met	Leu	Cys	Asp	Ile	Phe	Ala	Arg	Asn	Lys	Ala	Ile	Ser	Phe	Val	Gly
				85					90					95	
Cys	Ala	Ala	Gln	Met	Trp	Phe	Phe	Gly	Leu	Phe	Val	Ala	Thr	Glu	Cys
			100					105					110		
Phe	Leu	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Ala	Ala	Ile	Cys	Lys
		115					120					125			
Pro	Leu	Leu	Tyr	Thr	Leu	Ile	Met	Ser	Pro	His	Leu	Ser	Val	Leu	Leu
	130					135					140				
Val	Ile	Gly	Pro	Tyr	Ala	Ile	Ala	Leu	Ile	Ser	Thr	Thr	Thr	His	Thr
145					150					155					160
Thr	Leu	Thr	Phe	Cys	Leu	Pro	Phe	Cys	Gly	Pro	Tyr	Ile	Ile	Asn	His
				165					170					175	
Phe	Phe	Cys	Asp	Ile	Ser	Pro	Leu	Leu	Ser	Leu	Ala	Cys	Ser	Asp	Thr
			180					185				190			
His	Ile	Asn	Lys	Leu	Val	Leu	Phe	Val	Leu	Ala	Gly	Thr	Val	Gly	Val
		195					200					205			
Leu	Ser	Gly	Leu	Ile	Ile	Leu	Val	Ser	Tyr	Val	Cys	Ile	Leu	Lys	Ala